

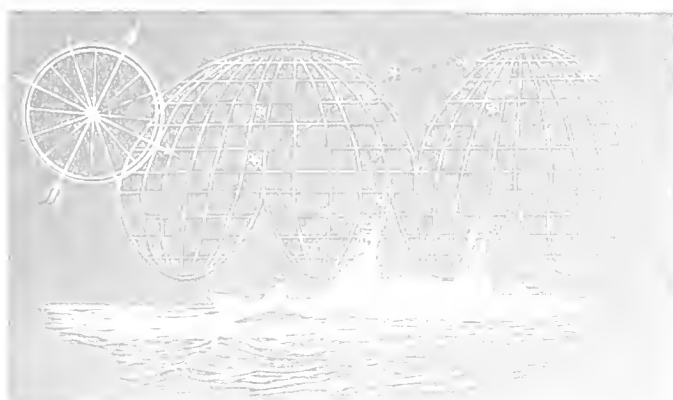
U.S. Coast Guard Oceanographic Report

UNITED STATES COAST GUARD
OCEANOGRAPHIC
REPORT No. 32

CG 373-32

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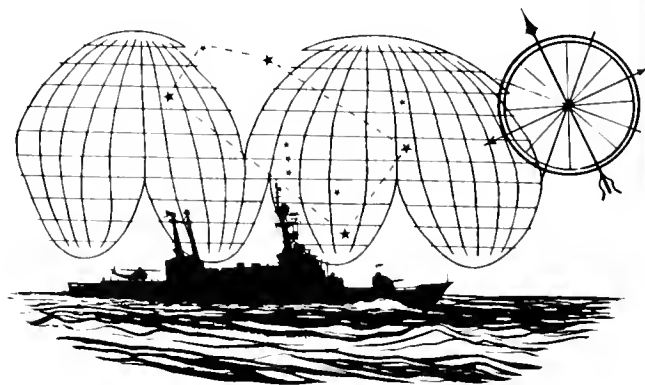
OCEANOGRAPHIC OBSERVATIONS
NORTH ATLANTIC STANDARD MONITORING SECTIONS
1964-1966



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UNITED STATES COAST GUARD
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UNITED STATES COAST GUARD OCEANOGRAPHIC UNIT

REPORT No. 32 ^{CG 373-32}

OCEANOGRAPHIC OBSERVATIONS

NORTH ATLANTIC STANDARD MONITORING SECTION

1964-1966

David M. Husby



DEDICATION

This report, the first on the Coast Guard's Standard Section Monitoring Program, is dedicated to James W. McGary, Director of Oceanography of the Coast Guard Oceanographic Unit from 1964 until his death in September 1968. Born in Mercer County, Pa., he received a bachelor's degree in education in 1939 from Pennsylvania State Teachers College in Slippery Rock, Pa.; a bachelor's degree in engineering from the U.S. Coast Guard Academy in 1942, and a master's degree in physical oceanography from Johns Hopkins University in 1952. In World War II, he served with the Coast Guard in the Atlantic and Pacific theaters. He remained in the Coast Guard Reserve, attaining the rank of Commander. After the war, he taught school until becoming an oceanographer at the Honolulu Biological Laboratory of the U.S. Fish and Wildlife Service and then was employed by the Office of Naval Research prior to appointment as the first Director of the Coast Guard Oceanographic Unit.

Jim McGary created the Coast Guard's Standard Section Monitoring Program. This program was initiated and developed under his guidance and must rank as one of his most important contributions in the field of oceanography. In his memory, the Standard Section Monitoring Program will continue to make best use of Coast Guard cutters en route to and from ocean stations by collecting vast amounts of oceanographic data that will immeasurably add to knowledge about our major current systems in the North Atlantic and North Pacific Oceans.

ABSTRACT

This report contains the observed and interpolated oceanographic data obtained by U.S. Coast Guard vessels on six Standard Monitoring Sections in the North Atlantic during 1964 through 1966. The Standard Section Monitoring Program was initiated by the U.S. Coast Guard in 1964 to provide for the systematic collection, compilation, and presentation of oceanographic data in the major current systems of the North Atlantic. A discussion of the data collection methods, data treatment, and a tabulation of the data along with vertical sections of temperature, salinity, and solenoidal volume flow are presented in this report.

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INTRODUCTION

In November 1964, the USCGC MENDOTA (WHEC 69) occupied a line of oceanographic stations from the eastern Grand Banks to the south-east across the main core of the Labrador Current. This was the beginning of the U.S. Coast Guard's "Standard Section" Monitoring Program in the North Atlantic. It has long been recognized that our knowledge of large-scale variations in oceanic circulation, e.g., eddy processes, is very limited. Large-scale problems such as this need a large volume of long-term observations for their solution. In fulfillment of this objective, the U.S. Coast Guard initiated a program to provide for the systematic collection, compilation, and presentation of oceanographic data in the major current systems of the western North Atlantic. Seven sections in the North Atlantic were selected to be monitored by U.S. Coast Guard ocean station vessels; the two oceanographic vessels, the USCGC EVERGREEN (WAGO 295) and the USCGC ROCKAWAY (WAGO 377); and icebreakers on an opportunity basis.

The sections were selected to include the most dynamic areas possible and still be somewhat consistent with the normal tracks of the ocean station vessels (fig. 1). In most cases, the sections are normal to and include the main axis of a major current. Sections 1, 2, and 3 extend across the main core of the Labrador Current and occupation of these sections will result in a valuable input for the long-range forecasting of ice conditions on the Grand Banks. During the months of April, May, and June, the USCGC EVERGREEN occupies these sections in direct support of international Ice Patrol research. In fact, section 1 has been occupied nearly annually since 1928 as part of a larger section extending from near South Wolf Island, Labrador, to Cape Farewell, Greenland (Bush, et al., 1957).

Section 4 extends from the southern Grand Banks southward across the Labrador Current, across the mixed waters of the Labrador Current and into the North Atlantic Current. Data from this section could indicate the boundaries of these currents and their relative strengths in the dynamic area where the Arctic waters of the Labrador meet the subtropical waters of the Gulf Stream.

Sections 5, 6, and 7 encompass the region from Cape Kennedy to the Gulf of Maine and between the continental shelf and the deep offshore waters.

Data from these sections will provide information in the study of the Florida Current, Gulf Stream and North Atlantic Current systems.

The utilization of the ocean station vessels which routinely collect oceanographic data at four locations in the North Atlantic, allows a nearly synoptic observational program of the Labrador and North Atlantic Current systems. The ultimate goal is a monthly occupation of sections 2 through 5, seasonal occupation of sections 6 and 7, and occupation of section 1 as ice conditions permit. This sampling program was severely curtailed in 1965 by the shortage of deep-sea reversing thermometers.

DATA COLLECTION

A total of 32 ocean station vessels and the two U.S. Coast Guard Oceanographic vessels, USCGC EVERGREEN and USCGC ROCKAWAY, are equipped to participate in the Standard Section Program. The OSV's occupy a section en route from a particular ocean station, as scheduling permits. Each vessel has at least a minimum of the equipment necessary to conduct Nansen bottle casts, make salinity determinations and collect bathymetric and meteorological data. The vessels are now being equipped with the in situ Salinity/Temperature/Depth Sensor Systems (STD). Observations are made by trained oceanographic technicians who are graduates of the U.S. Coast Guard Training Center's Oceanography School, formerly at Groton, Connecticut.

The USCGC EVERGREEN was equipped with the STD system in 1966 and made the first successful use of the STD system on the Standard Sections on the Gulf Stream-Labrador Current Survey during October-November 1966, which will be discussed later.

STATION OBSERVATIONS

1. At the majority of the stations, the maximum sampling depth is 1,500 meters or as near the bottom as is practicable if the water depth is less than 1,500 meters. In the offshore areas sampling is extended to as close to the bottom as possible at 180 to 200 mile intervals. For the 1,500 meter casts, the sampling depths, in general, are 0, 25, 50, 100, 150, 200, 300, 400, 500, 600, 800, 1000, 1250 and 1,500 meters. Water temperature and salinity are measured at each sampling depth.

2. Temperatures are measured by deep-sea reversing thermometers of the Richter and Wiese, Yoshino Keike, and Kessler makes. Two protected

thermometers are used on each Nansen bottle. At least five bottles from 200 to 1,500 meters have an unprotected thermometer in conjunction with the protected thermometers for the thermometric determination of sampling depths. In situ temperatures are determined by the average of the corrected readings of the protected thermometers. The maximum difference tolerated between the two readings is $\pm 0.040^\circ\text{C}$.

3. Samples of water are drawn from each Nansen bottle for the determination of salinity aboard ship. Duplicate samples are drawn from the top and bottom Nansen bottle in each cast and delivered to the U.S. Coast Guard Oceanographic Unit for quality control comparisons. The salinities are determined aboard ship by Model 6220 inductive salinometers manufactured by the Bisset-Berman Corp. These instruments have a probable accuracy, as stated by the manufacturer, of $\pm 0.003\%$.

DATA TREATMENT

The data for each station, including temperature, salinity, and depth, are encoded and transmitted to U.S. Coast Guard Oceanographic Unit, Washington, D.C., via radio teletype for real-time data processing and quality control. The temperature data are transmitted immediately after the observations are made while the salinities are usually transmitted within 3 days of observation. The U.S. Coast Guard Oceanographic Unit processes these data with a Digital Equipment Corp. PDP-5 computer. Nansen cast temperatures are corrected at U.S. Coast Guard Oceanographic Unit and transmitted to the Fleet Numerical Weather Facility, Monterey, California, within 12 hours of observation for use in forecasting oceanographic conditions.

Values of density (σ_t) and dynamic heights based on the 1,000 decibar level are determined at each sample depth. The U.S. Coast Guard Oceanographic Unit computes the dynamic heights of the various levels, summing both the observed specific volume anomaly values and the interpolated standard depth values. The determination of dynamic heights in shallow water is performed in the manner described by Helland-Hansen (1934). This method assumes that level isotheric surfaces extend from the water-sediment interface, on the continental slope, into the bottom to a point directly below the next station. This allows the extension of the pressure surfaces,

related to the 1,000 decibar level of no assumed motion, above the shelf as far as the Coast.

Volume flow computations are accomplished at U.S. Coast Guard Oceanographic Unit by a computer program specifically written to provide transport information through vertical property sections (Kollmeyer, et al., 1966). The program computes volume flow information through solenoids which subdivide a property section into small rectangles. The solenoids are bounded by the data obtained from adjacent stations at the various standard depths. The volume flow information is calculated using the following equations:

$$\bar{V} = V_m \times A \quad (1)$$

where

$$V_m = \frac{10(\bar{D}_A - \bar{D}_B)}{fL} \quad (2)$$

$$A = d \times L \quad (3)$$

\bar{V} = volume flow

V_m = mean water velocity within the solenoid

A = Area of solenoid, bounded by station locations and standard depth intervals

$(\bar{D}_A - \bar{D}_B)$ = Difference in mean dynamic height values between adjacent stations, based on the 1,000 decibar level, at a point between the upper and lower standard depth values bounding the solenoid.

f = Coriolis parameter = $2\Omega \sin \phi$

where Ω = angular velocity of earth

ϕ = latitude

L = Distance between adjacent stations

d = Vertical distance between the standard depth values bounding the solenoid.

Combining equations (1), (2), and (3);

$$\bar{V} = \frac{10(\bar{D}_A - \bar{D}_B)d}{f} \quad (4)$$

The volume flow calculations are now independent of the distance between stations. This allows sim-

plified volume flow computations through solenoids located along the bottom in shallow water. The volume flow computed has the dimensions 10^6 m³/sec and the direction of flow is indicated by a plus or minus sign. Thus, each vertical property section is divided into solenoids and the entire volume flow, magnitude, and direction, through the section is determined.

Property transport of heat and salt are computed for each solenoid in the section using the following equations:

$$Q_t = \bar{V} \times T_m \quad (5)$$

where

Q_t = heat transport (10^{60} C. m³/sec)

T_m = mean temperature within solenoid (°C)

\bar{V} = volume flow (10^6 m³ /sec)

and

$$M_s = \bar{V} \times S_m \times \rho_m \quad (6)$$

where

M_s = salt transport (10^9) gms/sec

S_m = mean salinity within solenoid

ρ_m = mean density of seawater = 1.03 gms/cm³

The processed temperature and salinity data were recorded on form NHO-NODC-31/67/1 (9-61), Physical and Chemical Data forms for Oceanographic Stations, and delivered to the National Oceanographic Data Center (NODC). The interpolated temperatures and salinities for standard depths, sigma-t, specific volume anomalies, geopotential anomalies (ΔD), and sound velocities were made by NODC and NODC provided listings for the preparation of tables (I-V).

CRUISE NARRATIVES

During the 1964-66 period, a total of 22 whole or in part occupations were made on six of the Standard Sections. The cruise number, ships, dates, numbers of stations and NODC accession numbers for these cruises are given in table 1. Section 7 was not occupied during this period, but has been included in the program in 1967.

Five of these cruises were made by ocean station vessels returning from Ocean Stations BRAVO and CHARLIE. The data were obtained on these cruises entirely by Nansen bottle casts. The remainder of the cruises were made by the U.S. Coast Guard Oceanographic Vessels, the USCGC EVERGREEN and USCGC ROCKAWAY.

Cruise A1-1 by the USCGC EVERGREEN was part of an oceanographic survey in the western Labrador Sea in the vicinity of Hudson Strait in 1965. The purpose of the survey was to quantitatively determine the contribution to and the effect of the Hudson Strait outflow on the Labrador Current. The data are published in the U.S. Coast Guard Oceanographic Report No. 12, "Oceanography of the Labrador Sea in the Vicinity of Hudson Strait in 1965," Kollmeyer, et al., 1967.

Cruises A3-1 and A3-2 were accomplished by the USCGC MENDOTA and the USCGC ING-HAM en route to and on the return voyage from Ocean Station CHARLIE, respectively. The data from both these cruises are listed by NODC as Ref. No. 31-223 and as table I of this report.

Cruises A1-2, A2-2, A3-5 through A3-9, A4-1, and A4-2 were made by the USCGC EVERGREEN in support of International Ice Patrol research. They were made during the ice season of 1966 and consisted of a quasi-synoptic occupation of sections 2, 3, and 4 between 2 April and 8 April 1966 and then a time-series study of section 3 between 16 April and 21 April of three nearly complete occupations. During May-June 1966, the USCGC EVERGREEN then reoccupied sections 1, 2, 3, and 4 to investigate the temporal variations in the circulation of the Labrador Current. Cruises A2-1, A3-3, and A3-4 were made by the ocean station vessels USCGC HUMBOLDT (WHEC 372) and USCGC DUANE (WHEC 33) prior to the beginning of the Ice Patrol research, but the data were presented in graphical form with the 1966 Ice Patrol data. Cruise A3-3 by the USCGC DUANE was accomplished en route Ocean Station BRAVO in February 1966. The data are listed by NODC as Ref. No. 31-792 and as table II of this report. The data from cruises A2-1 and A3-4 were collected by the USCGC HUMBOLDT also en route to Ocean Station BRAVO in March 1966. The data are listed by NODC as Ref. No. 31-702 and as table III of this report. All these data are published in the U.S. Coast Guard Oceanographic Report No. 13, "Oceanography of the Grand Banks Region and the Labrador Sea in 1966," Wolford, T. C. (in press).

GULF STREAM-LABRADOR CURRENT SURVEY

During 17 October-17 November 1966, the USCGC EVERGREEN occupied sections A2, A3,

A4, A5, and A6 to provide a synoptic picture of the Gulf Stream and Labrador Current systems. Senior scientist for the cruise was Mr. J. W. McGary, Director of Oceanography, U.S. Coast Guard Oceanographic Unit. The objectives of this survey were: (1) to make a preliminary survey of sections A5 and A6 to check the adequacy of the station spacing and the sampling intervals and (2) to provide data on the Labrador-Gulf Stream system for the first time in the fall season. The trackline for the survey is shown in figure 2. Stations 1-19 in the Gulf of Maine were stations requested by the Bureau of Commercial Fisheries. The remainder of the survey is listed in table 1 as A2-4, A3-10, A4-3, A5-1, and A6-1.

A total of 107 stations were occupied using the Hytech 9006 in situ Salinity/Temperature/Depth Sensor System (STD) to obtain continuous temperature and salinity versus depth profiles from the surface to 1,500 meters. Sections A6 and A5 were occupied first between 25 October and 3 November 1966. Then sections 2, 3, and 4 were occupied, in that order. At three stations on A5 and two on A6, Nansen bottle casts were made in addition to the STD lowering to obtain data below the depth of 1,500 meters. However, these casts were limited to 3,000 meters by the amount of wire available. At all stations, one or two bucket temperatures and salinity samples were taken as quality control checks on the STD performance. Up to station 30, Nansen bottles were placed on the STD cable at the surface and 1,495 meters to collect calibration data. Results showed that temperature and depth corrections were negligible, but the STD salinity values were slightly lower than the control samples.

The analog traces of temperature and salinity which were obtained were read by recording only "standard" depth values and significant inflection point values. The standard depths are in accord-

ance with those recommended by the NODC in publication M-2, "Processing Physical and Chemical Data from Oceanographic Stations," Part 1A, Coding and Key punching Electronically Obtained Serial Data (Provisional), May 1966 (see table 2).

The processed and corrected data were tabulated on the NODC-EXP-3167/40 (4/66) Form for Reporting Electronically Obtained Serial Data (Provisional) and delivered to the NODC for archiving and the preparation of listings. The data are listed by the NODC as Ref. No. 31-8007 and as table IV of this report.

The USCGC ROCKAWAY occupied section A6 during the period 19 November-22 November 1966. Fifteen oceanographic stations were occupied, each consisting of 15-bottle Nansen casts to a depth of 1,500 meters or to within 50 meters of the bottom when the water depth was less than 1,500 meters. These data are listed by the NODC as Ref. No. 31-1061 and as table V of this report.

DATA PRESENTATION

The oceanographic station data for each cruise are presented in this report as vertical cross-sections of temperature, salinity, and solenoidal volume flow.

For the Gulf Stream-Labrador Survey in November 1966, the dynamic topography of the sea surface relative to the 1,000 decibar surface is presented for each section by contouring the lines of dynamic height between each station with a contour interval of 0.02 dynamic meters (see figs. 3 and 4). The lines of equal dynamic height are not connected between each section, as has been the practice in the past, because it is realized that these data are not synoptic in any sense of the word.

All physical data are tabulated in tables I-V which are preceded by an explanation of the codes used.

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- Helland-Hansen, B., 1934. The Sognefjord Section. Oceanographic Observations in the Northernmost Part of the North Sea and Southern Part of the Norwegian Sea. J. Johnstone Mem. Vol. p. 257, Liverpool, 1934.
- Kollmeyer, R. C. et al., 1966. "Oceanography of the Labrador Sea in the Vicinity of Hudson Strait in 1965," U.S. Coast Guard Oceanographic Report No. 12, CG-373-12.
- NODC publication M-2, "Processing Physical and Chemical Data From Oceanographic Stations," Part 1A, Coding and Key punching Electronically Obtained Serial Data (Provisional), May 1966.

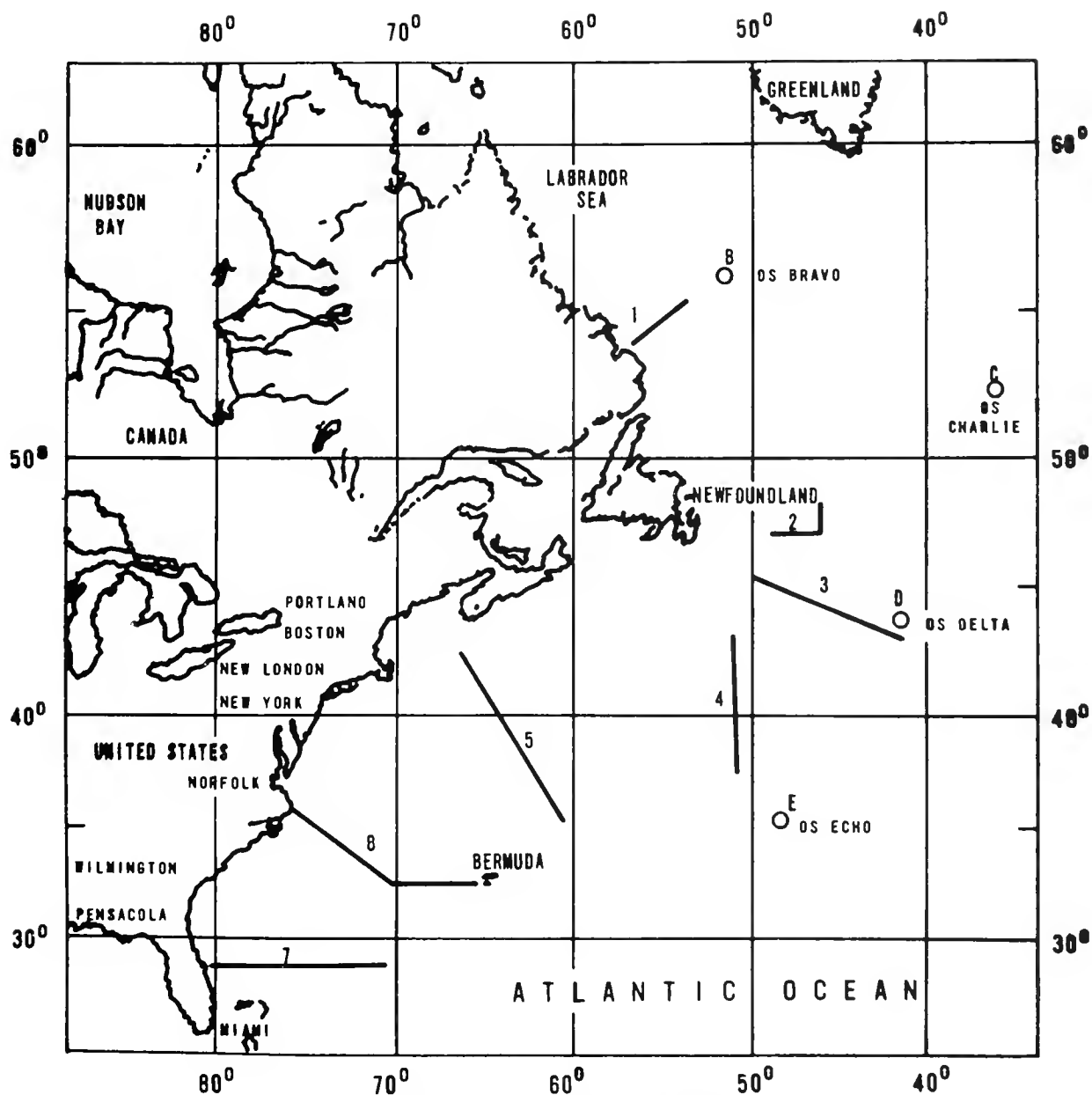


FIGURE 1. Locations of North Atlantic Ocean Stations and Standard Monitoring Sections occupied by the U.S. Coast Guard.

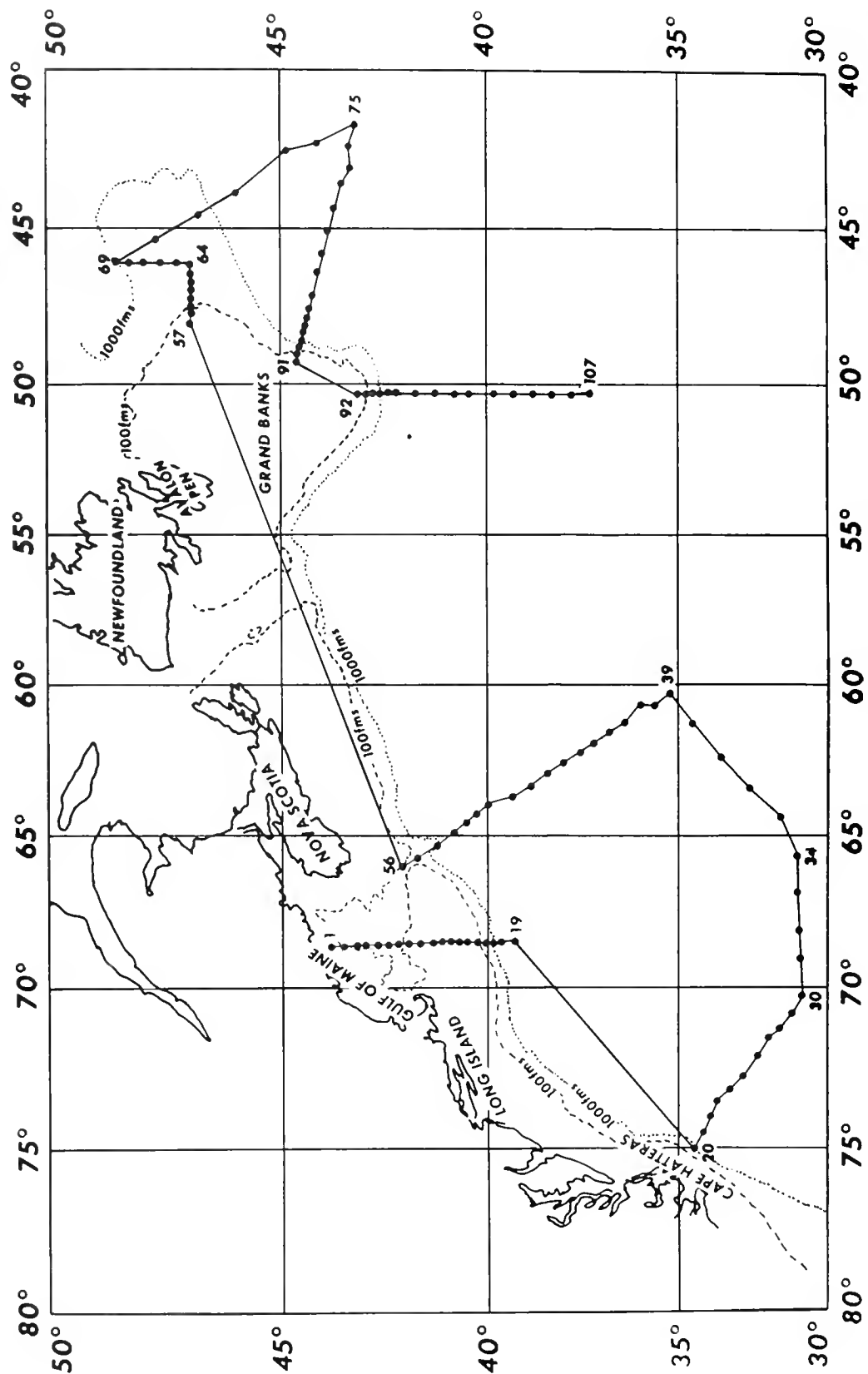


FIGURE 2. Trackline of Gulf Stream-Labrador Current Survey of the USCGC EVERGREEN, 17 October-17 November 1966. Numbers indicate consecutive station numbers. Stations 1-19 were occupied at the request of the Bureau of Commercial Fisheries Biological Laboratory, Woods Hole, Mass. The data for stations 1-19 are not included in this report.

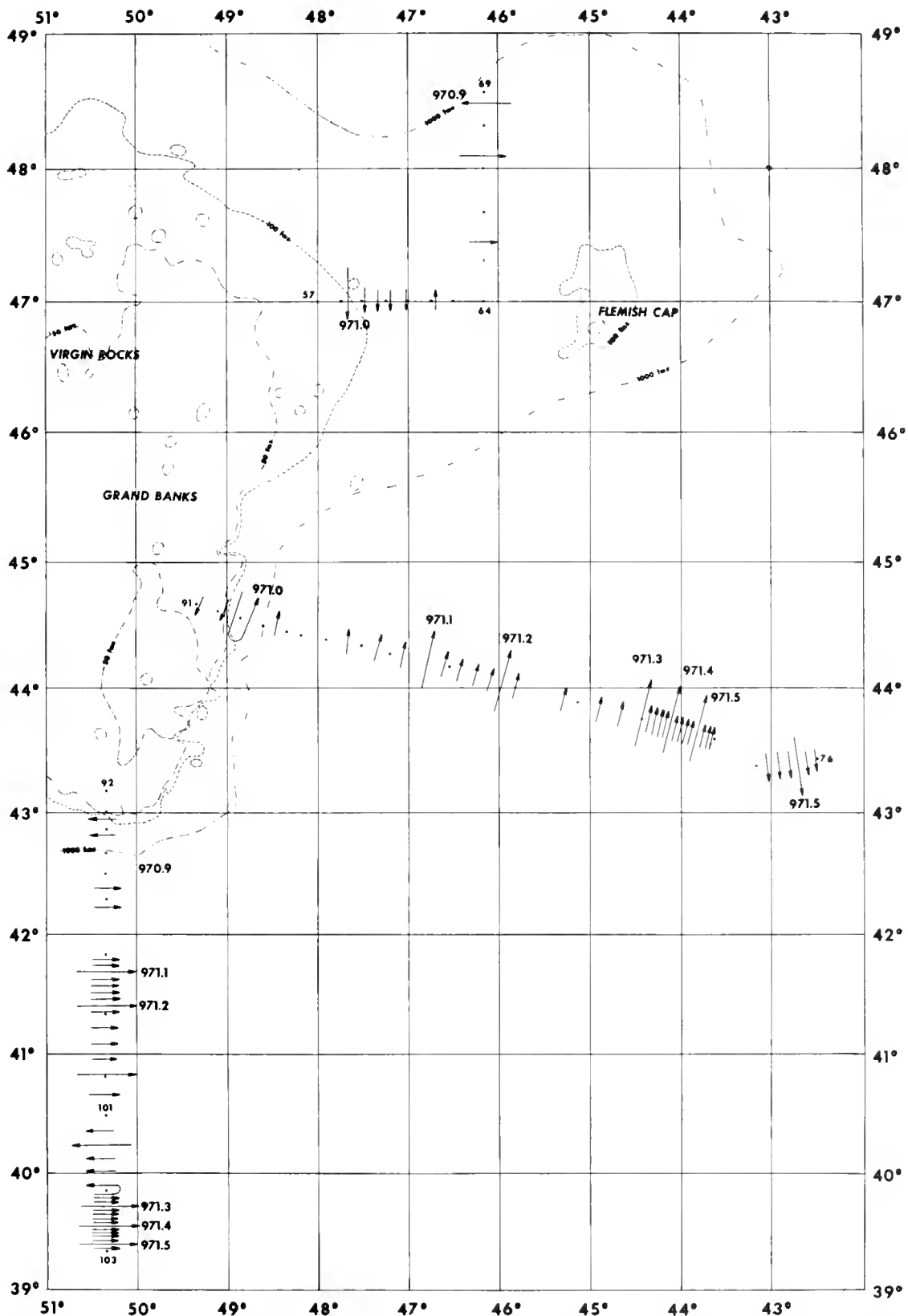


FIGURE 3. Isopleths of surface dynamic height relative to 1,000 decibar surface on North Atlantic Standard Monitoring Sections A2, A3, and A4, 6–13 November 1966, from data of USCGC EVERGREEN. Contour interval is 0.02 dynamic meter. Dots indicate station locations.

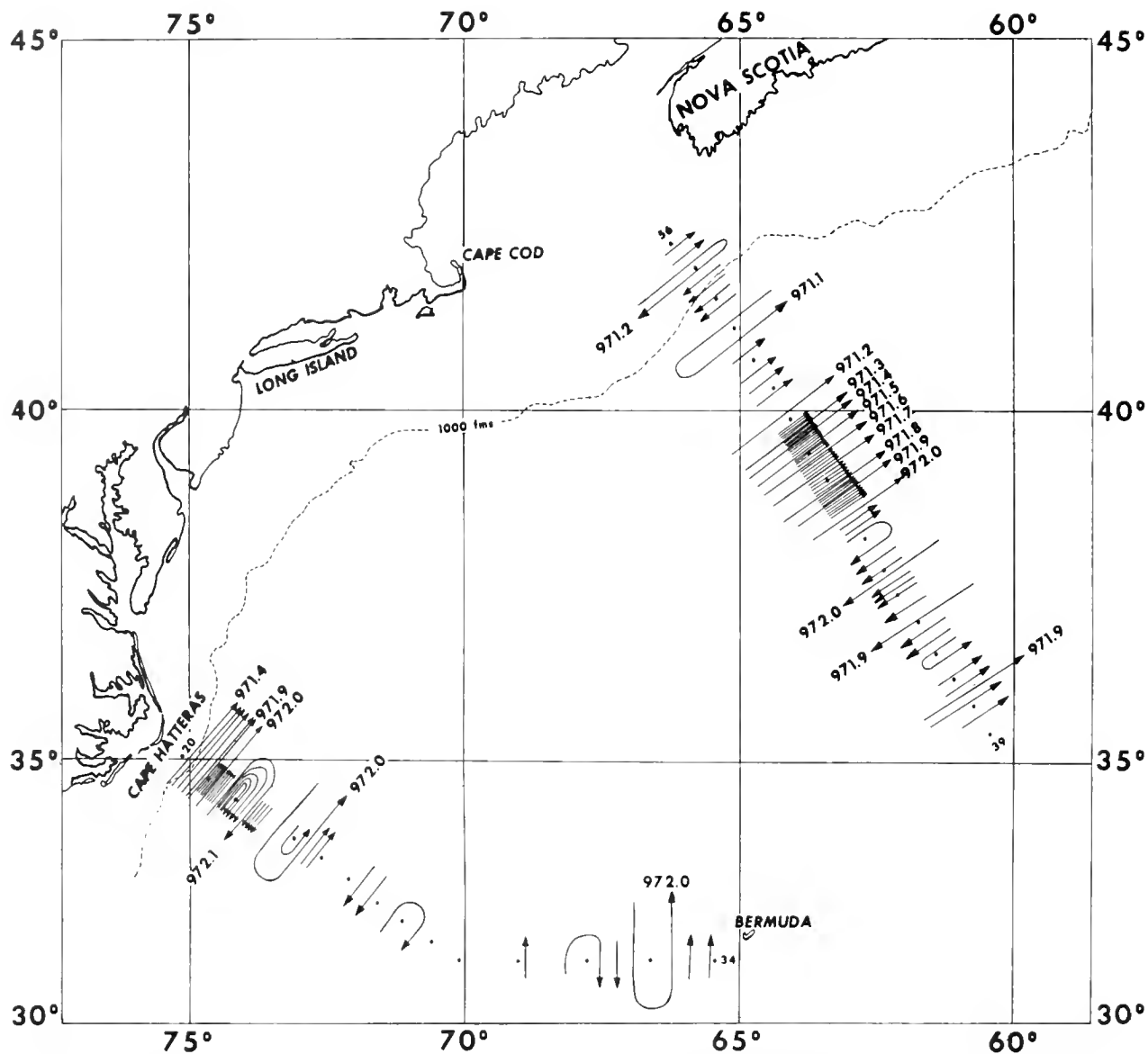


FIGURE 4. Isopleths of surface dynamic height relative to 1,000 decibar surface on North Atlantic Standard Monitoring Sections A5 and A6, 25 October–3 November 1966, from data of USCGC EVERGREEN. Contour interval is 0.02 dynamic meter. Dots indicate station locations.

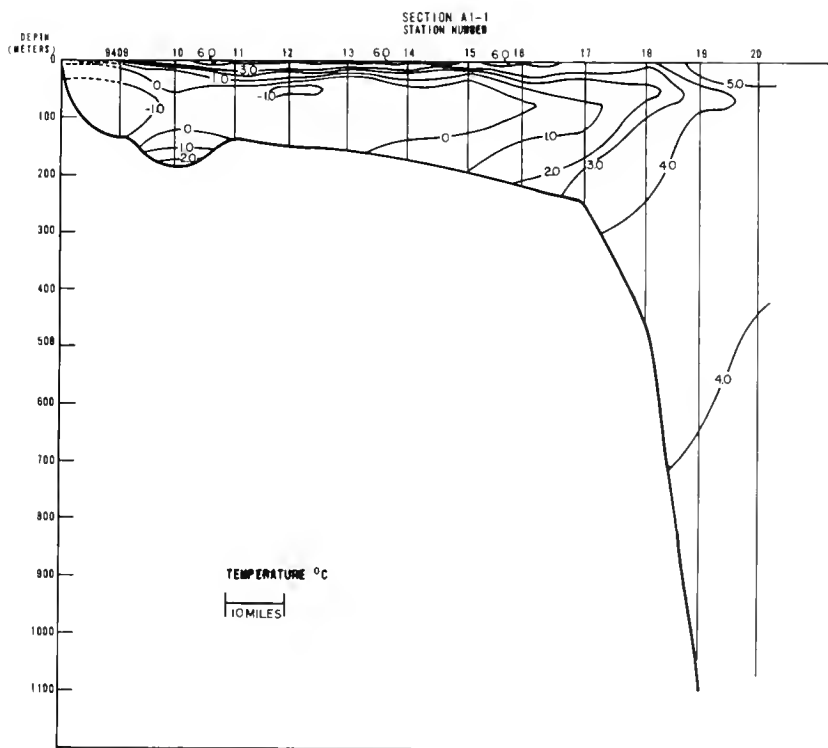


FIGURE 5. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A1 on 25-26 July 1965, prepared from data of USCGC EVERGREEN.

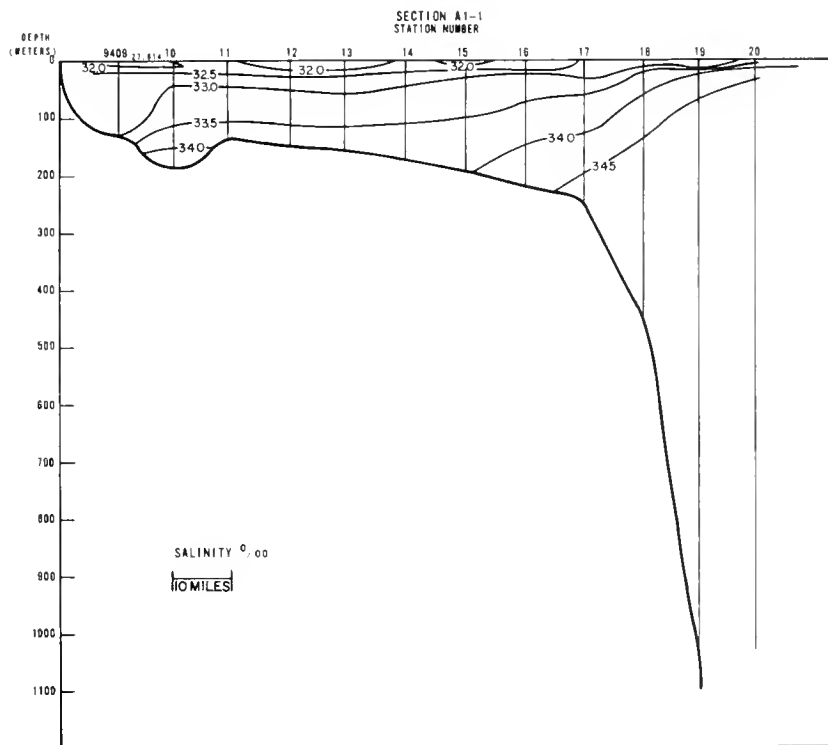


FIGURE 6. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A1 on 25-26 July 1965, prepared from data of USCGC EVERGREEN.

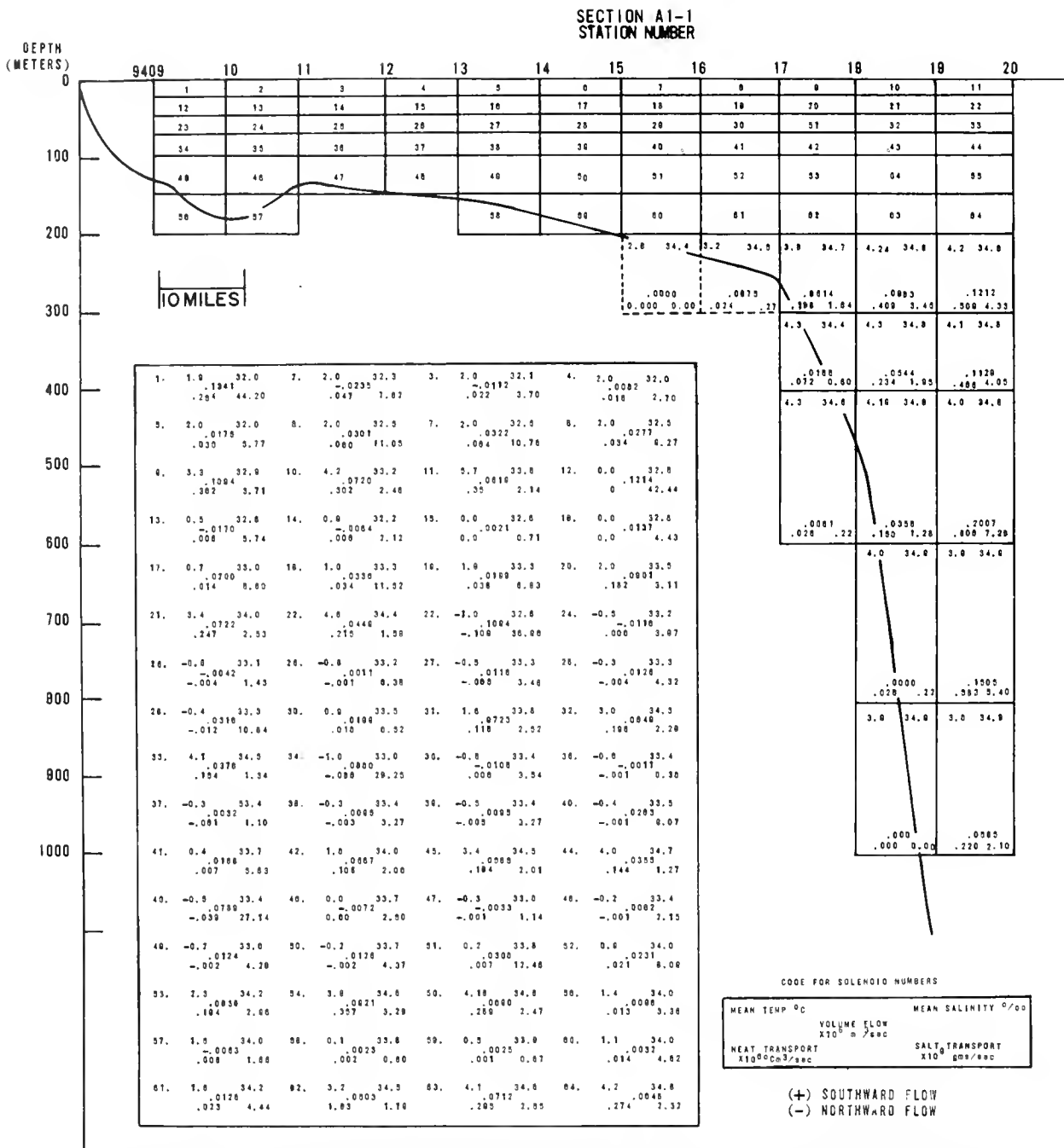


FIGURE 7. Solenoid division of North Atlantic Standard Monitoring Section A1 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 25-26 July 1965.

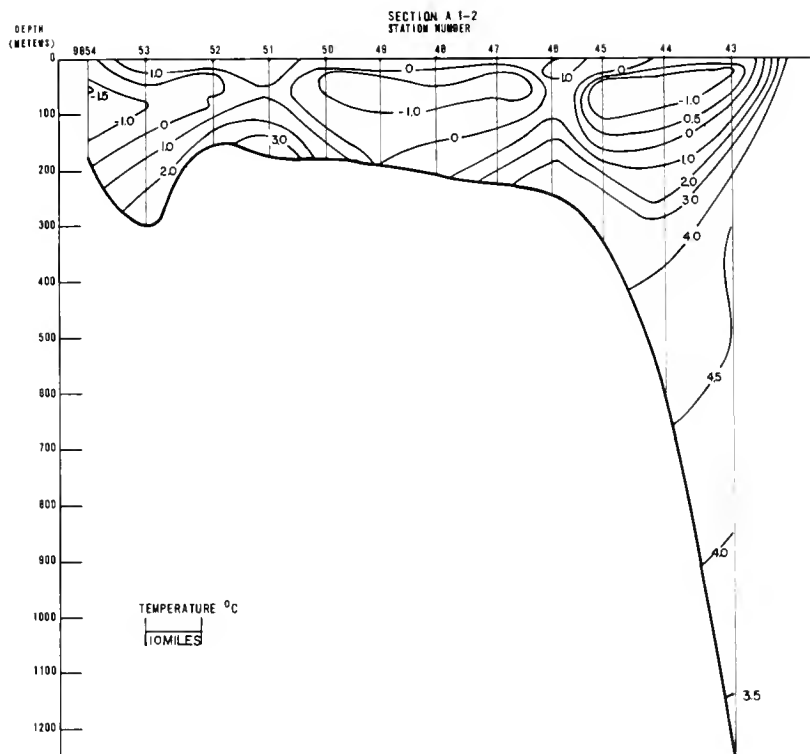


FIGURE 8. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A1 on 6-7 June 1966. Prepared from data of USCGC EVERGREEN.

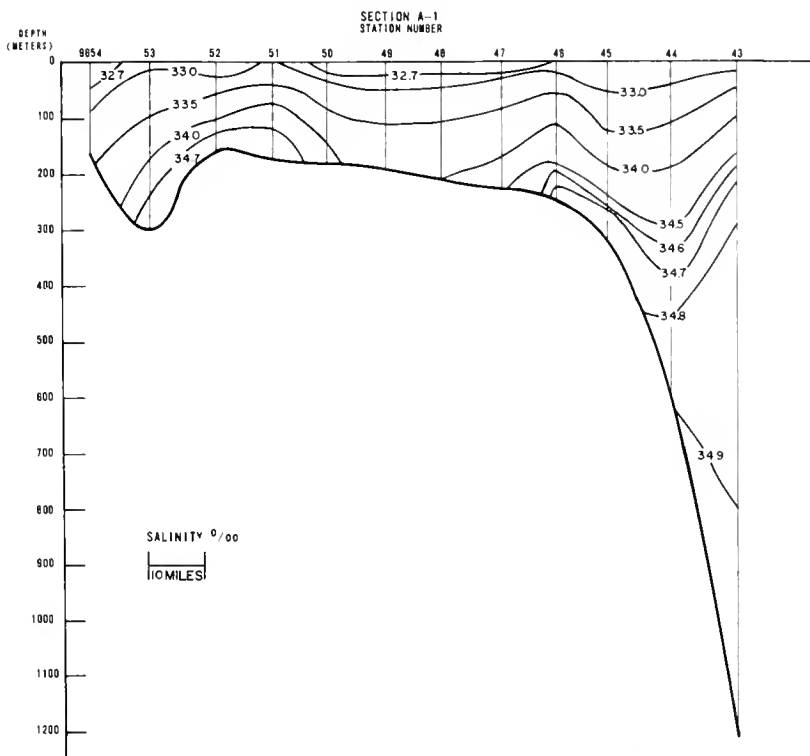
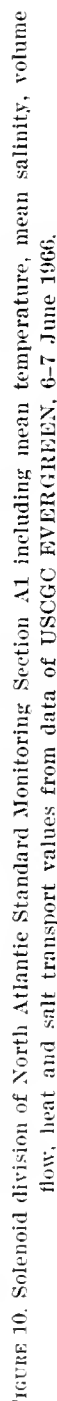


FIGURE 9. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A1 on 6-7 June 1966, prepared from data of USCGC EVERGREEN.



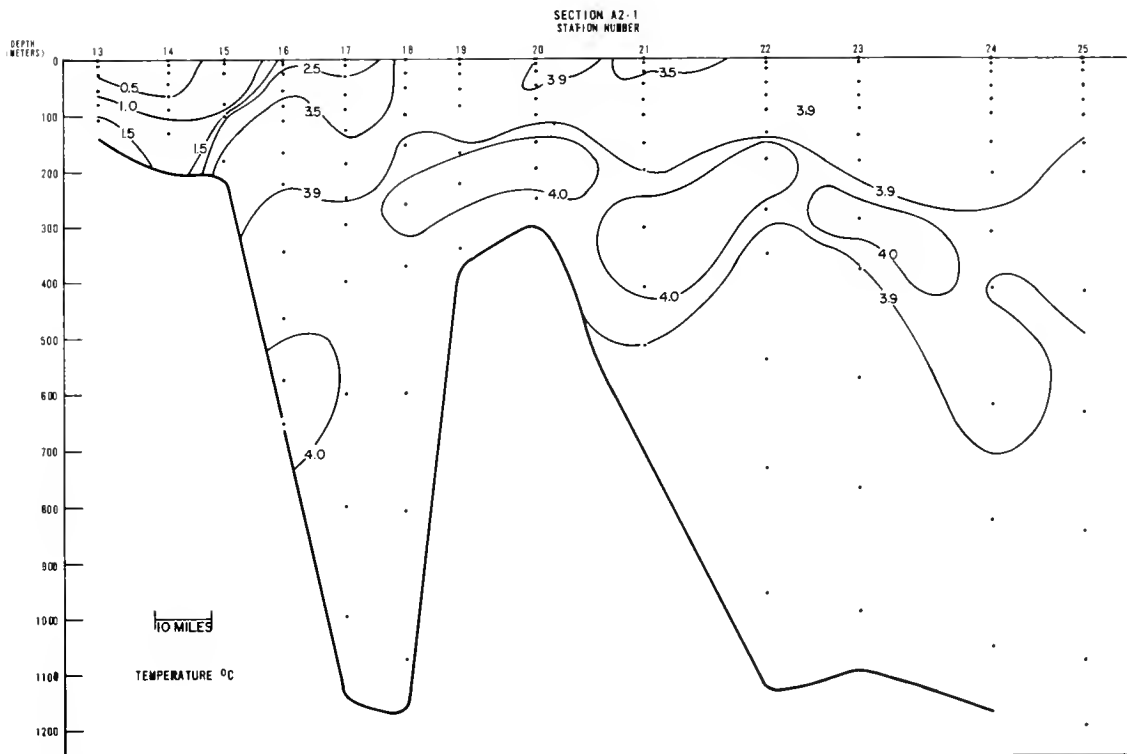


FIGURE 11. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A2 on 11-12 March 1966, prepared from data of USCGC HUMBOLDT.

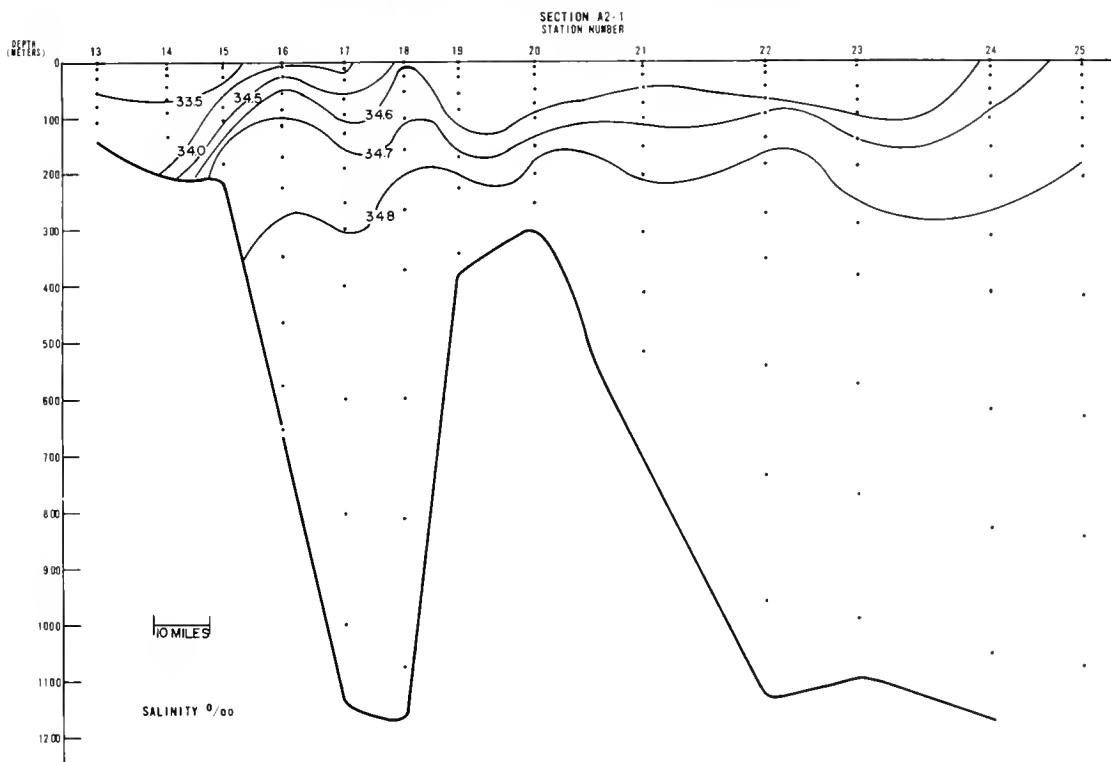


FIGURE 12. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A2 on 11-12 March 1966, prepared from data of USCGC HUMBOLDT.

SECTION A2-1 STATION NUMBER

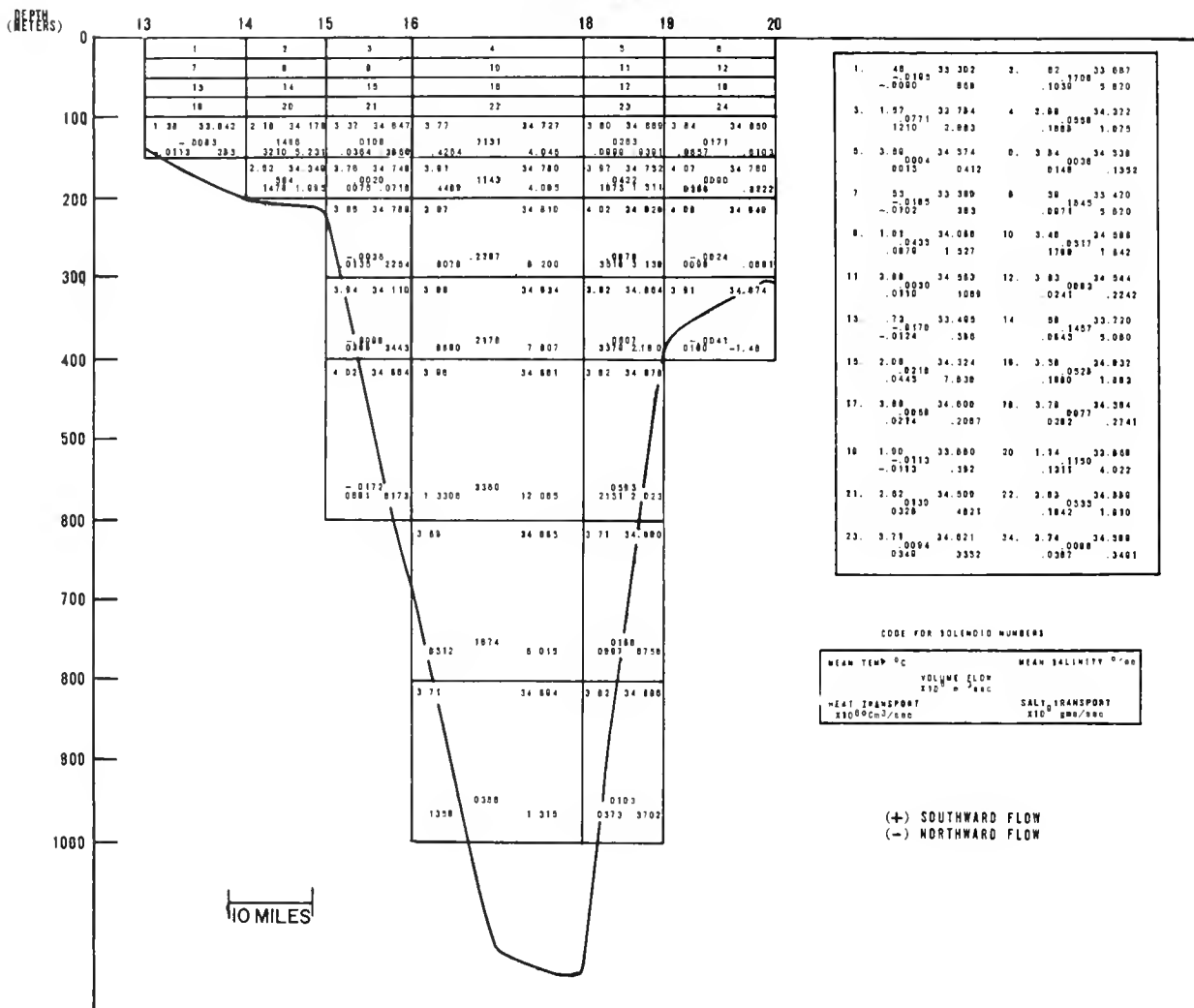


FIGURE 13. Solenoid division of North Atlantic Standard Monitoring Section A2 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC HUMBOLDT, 11-12 March 1966.

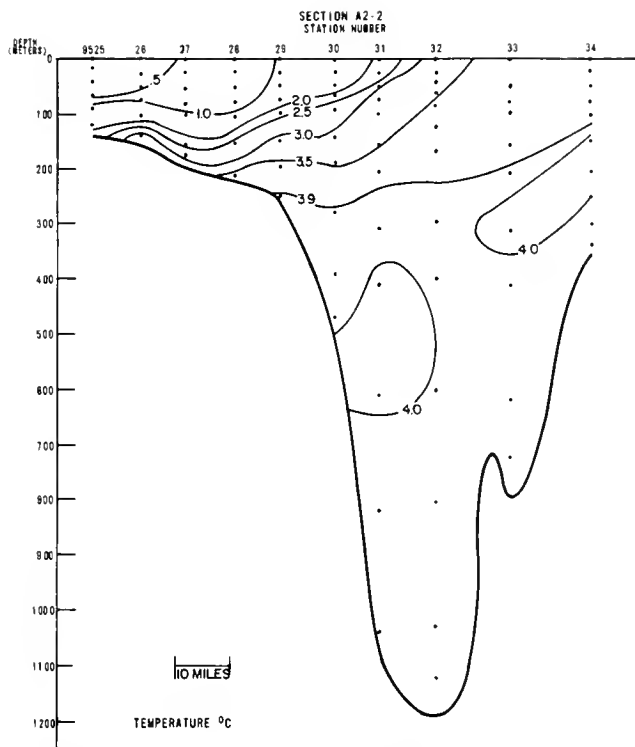


FIGURE 14. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A2 on 7-8 April 1966, prepared from data of USCGC EVERGREEN.

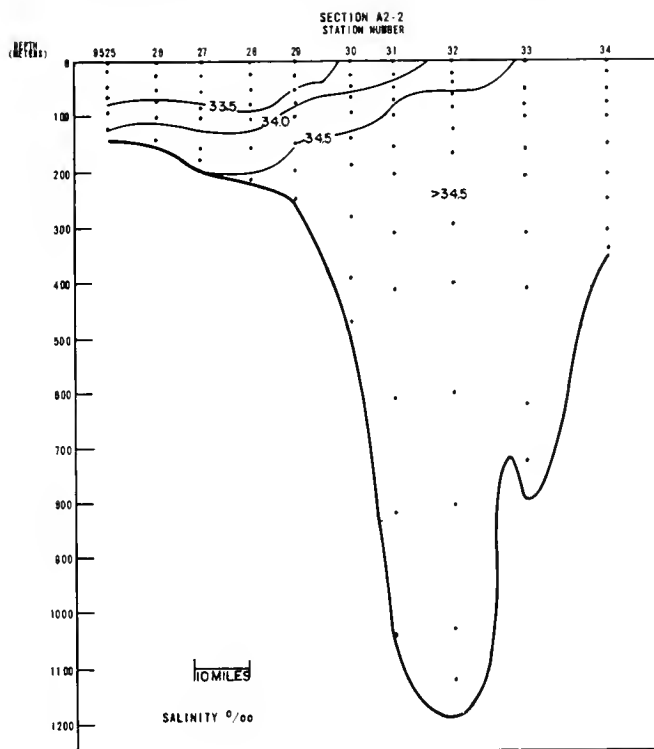


FIGURE 15. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A2 on 7-8 April 1966, prepared from data of USCGC EVERGREEN.

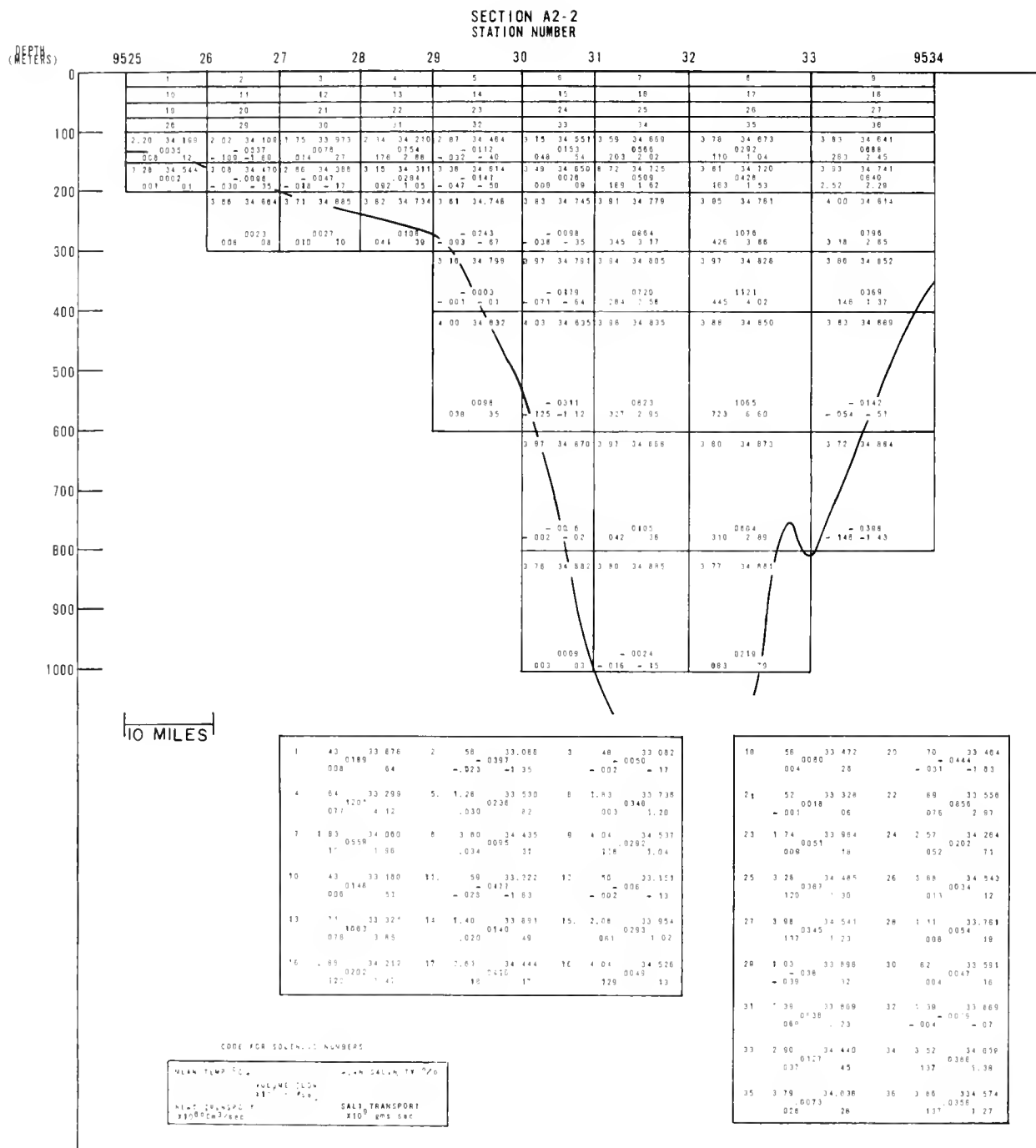


FIGURE 16. Solenoid division of North Atlantic Standard Monitoring Section A2 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 7-8 April 1966.

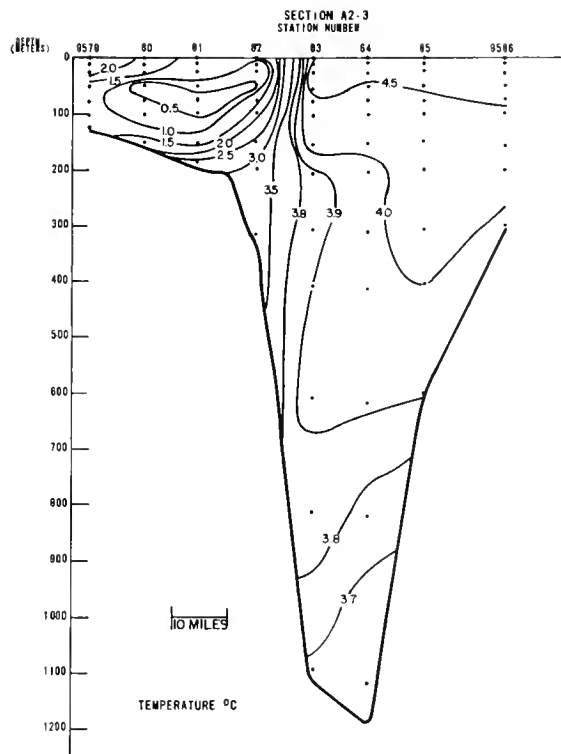


FIGURE 17. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A2 on 26-27 May 1966, prepared from data of USCGC EVERGREEN.

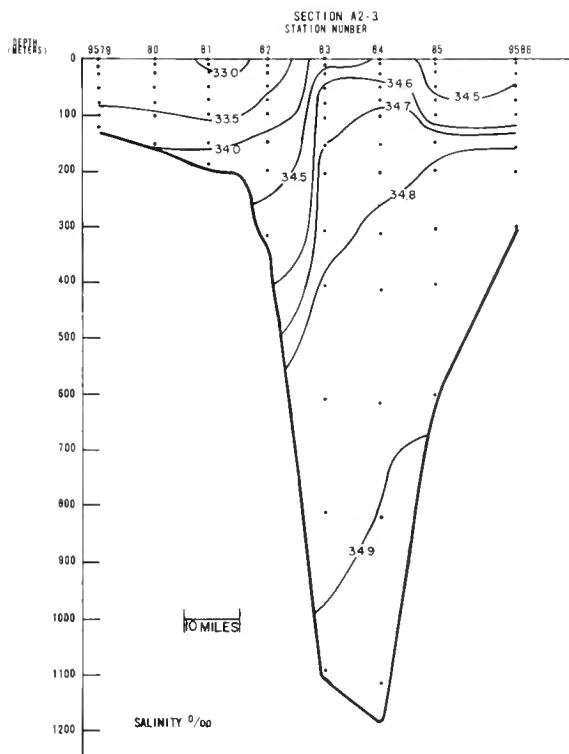


FIGURE 18. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A2 on 26-27 May 1966, prepared from data of USCGC EVERGREEN.

SECTION A2-3
STATION NUMBER

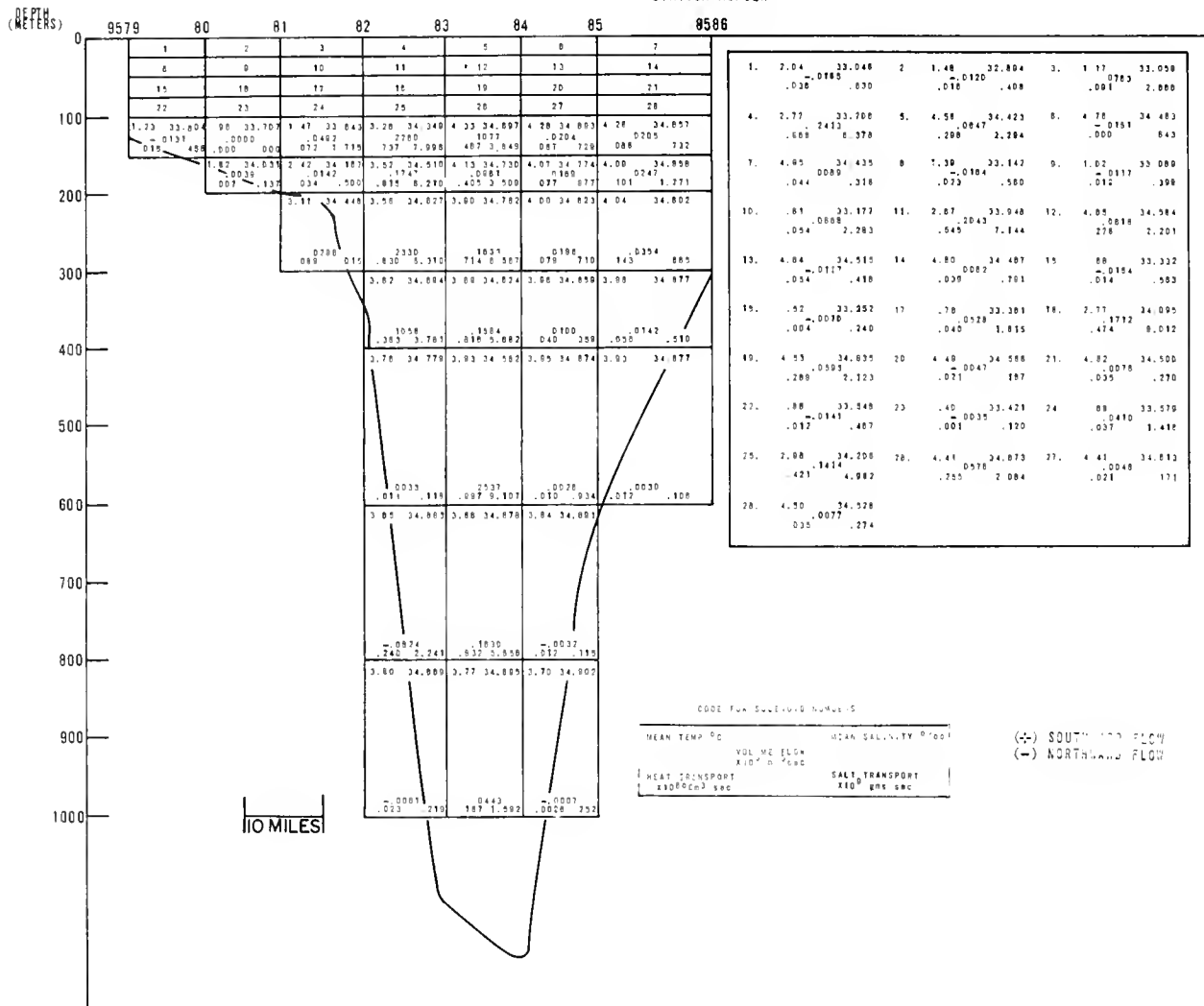


FIGURE 19. Solenoid division of North Atlantic Standard Monitoring Section A2 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 26-27 May 1966.

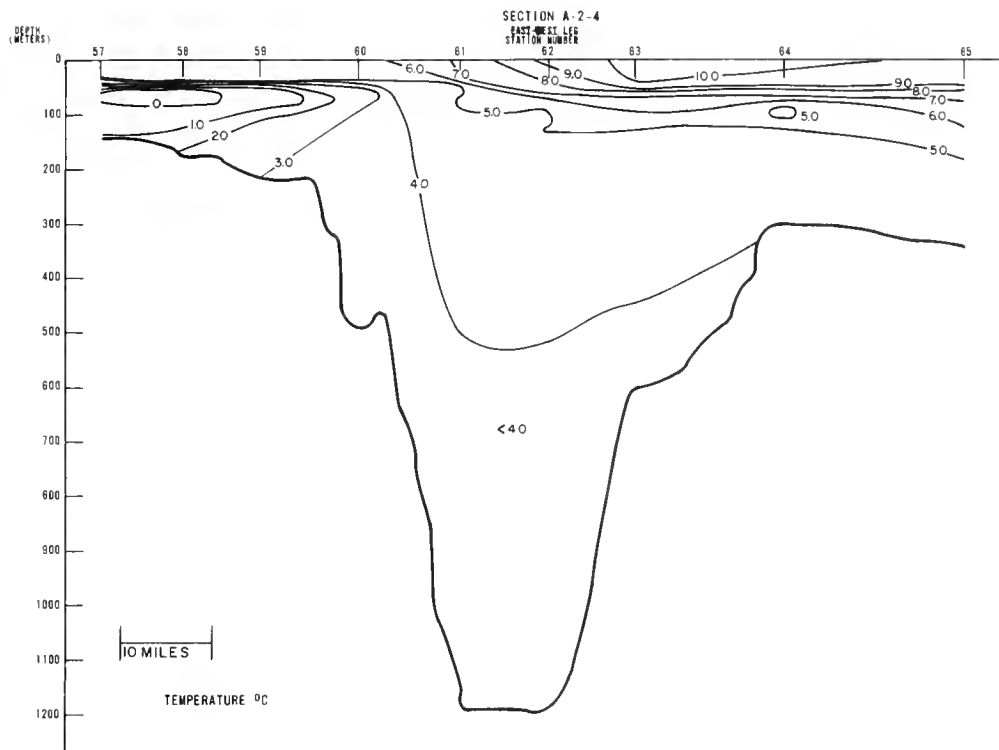


FIGURE 20(a). Vertical cross section of temperature (°C) on North Atlantic Standard Monitoring Section A2 on 6-7 November 1966, prepared from data of USCGC EVERGREEN. This cross section contains only the east to west portion of the section.

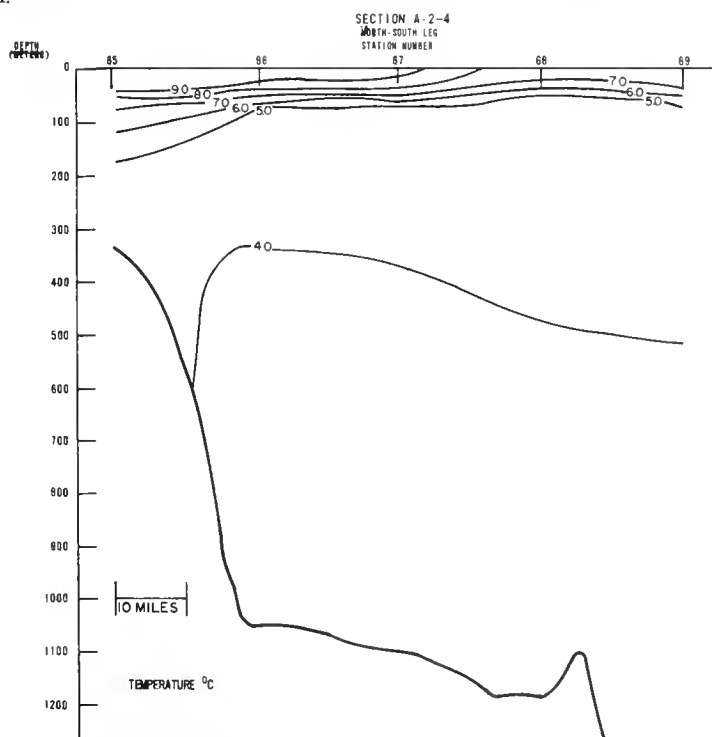


FIGURE 20(b). Vertical cross section of temperature (°C) on North Atlantic Standard Monitoring Section A2 on 6-7 November 1966, prepared from data of USCGC EVERGREEN. This cross section contains only the north to south portion of the section.

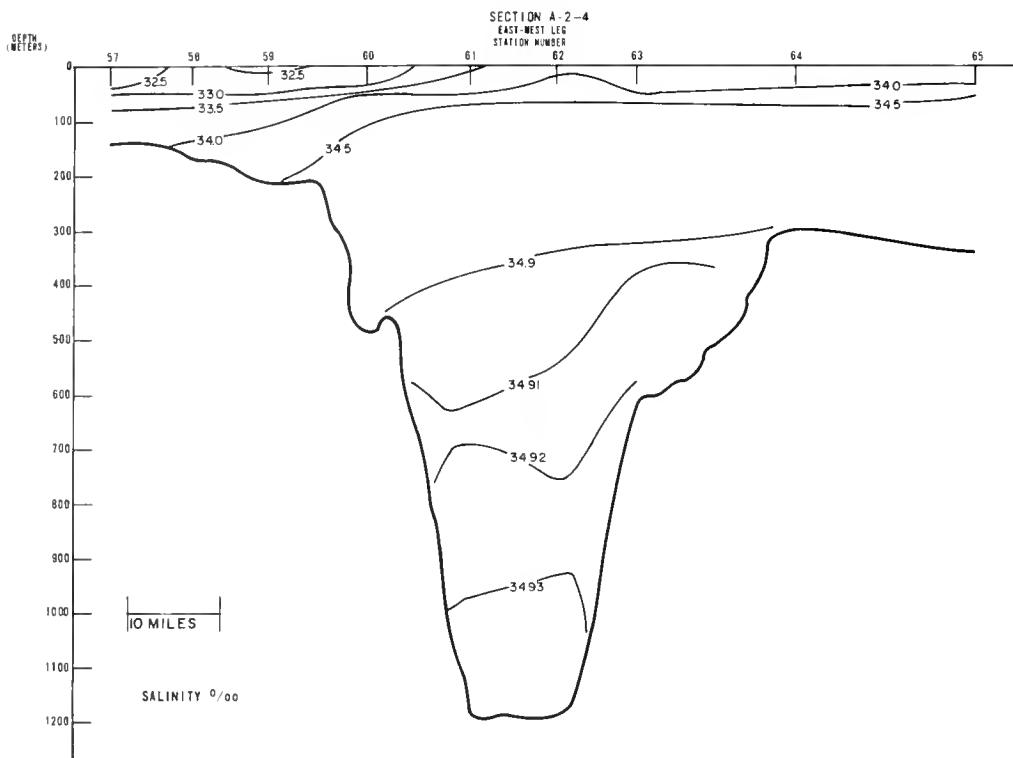


FIGURE 21(a). Vertical cross section salinity (‰) on North Atlantic Standard Monitoring Section A2 on 6-7 November 1966, prepared from data of USCGC EVERGREEN. This cross section contains only the east to west portion of the section.

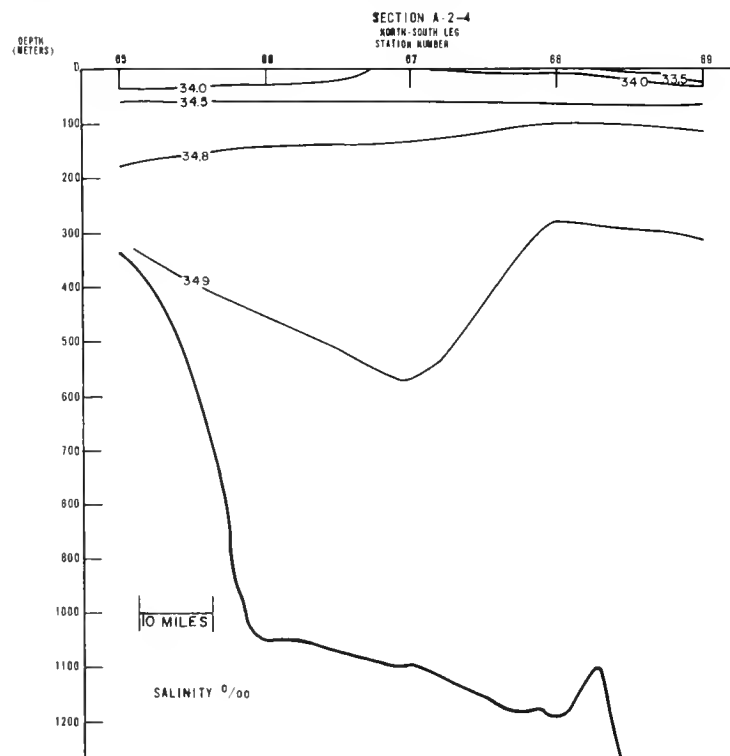


FIGURE 21(b). Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A2 on 6-7 November 1966, prepared from data of USCGC EVERGREEN. This cross section contains only the north to south portion of the section.

SECTION A-2-4 STATION NUMBER

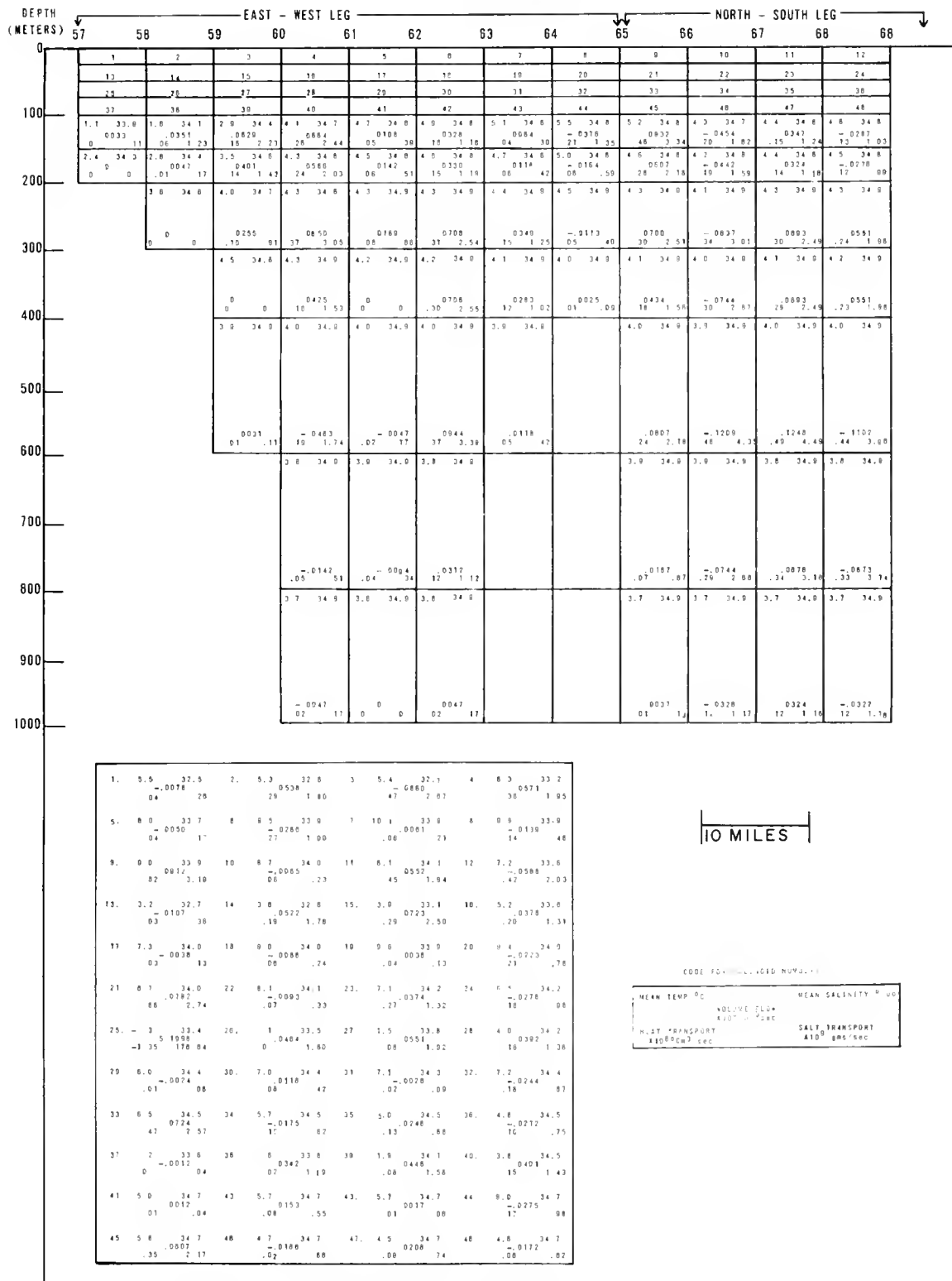


FIGURE 22. Solenoid division of North Atlantic Standard Monitoring Section A2 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 6-7 November 1966.

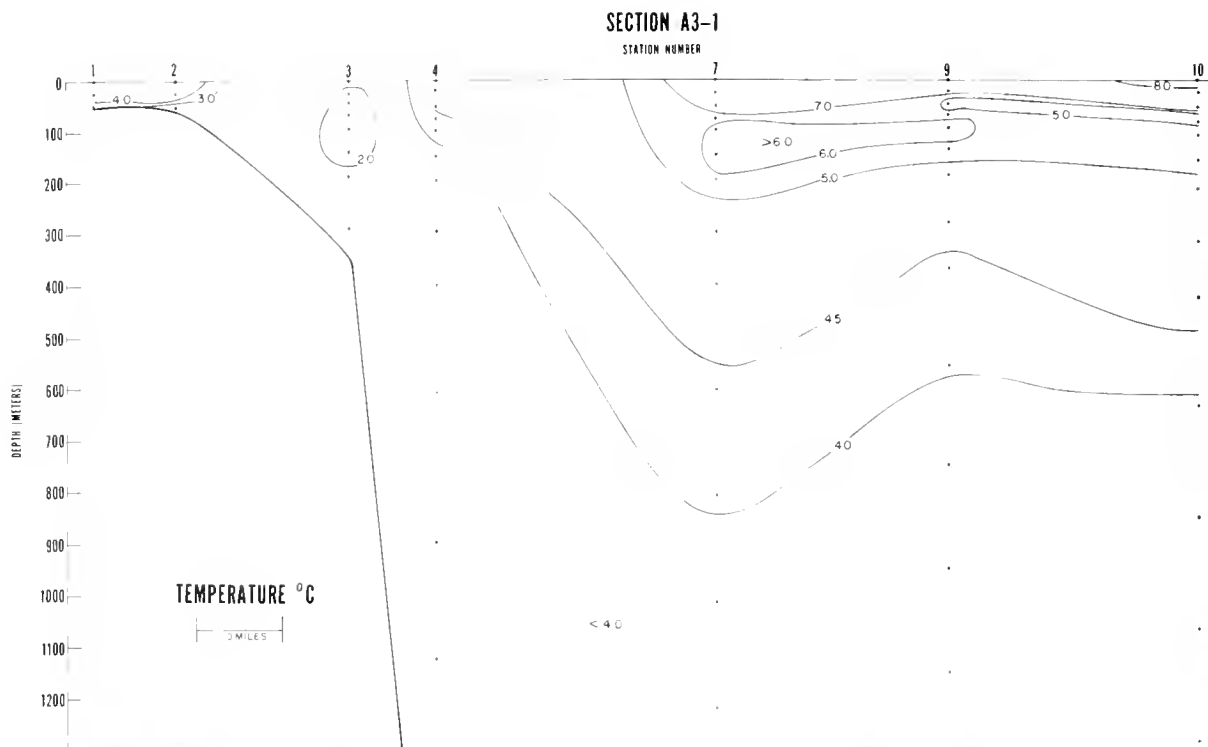


FIGURE 23. Vertical cross section of temperature (°C) on North Atlantic Standard Monitoring Section A3 on 23-24 November 1964, prepared from data of USCGC MENDOTA.

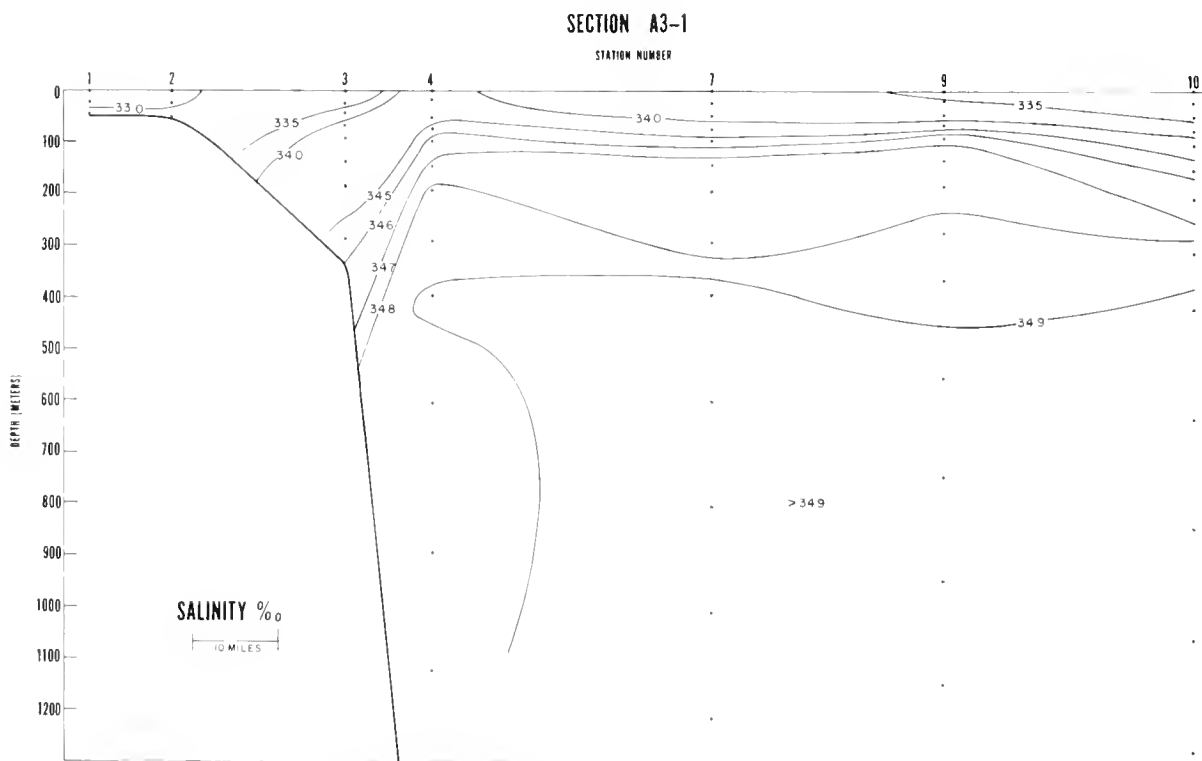


FIGURE 24. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A3 on 23-24 November 1964, prepared from data of USCGC MENDOTA.

SECTION A3-1 STATION NUMBER

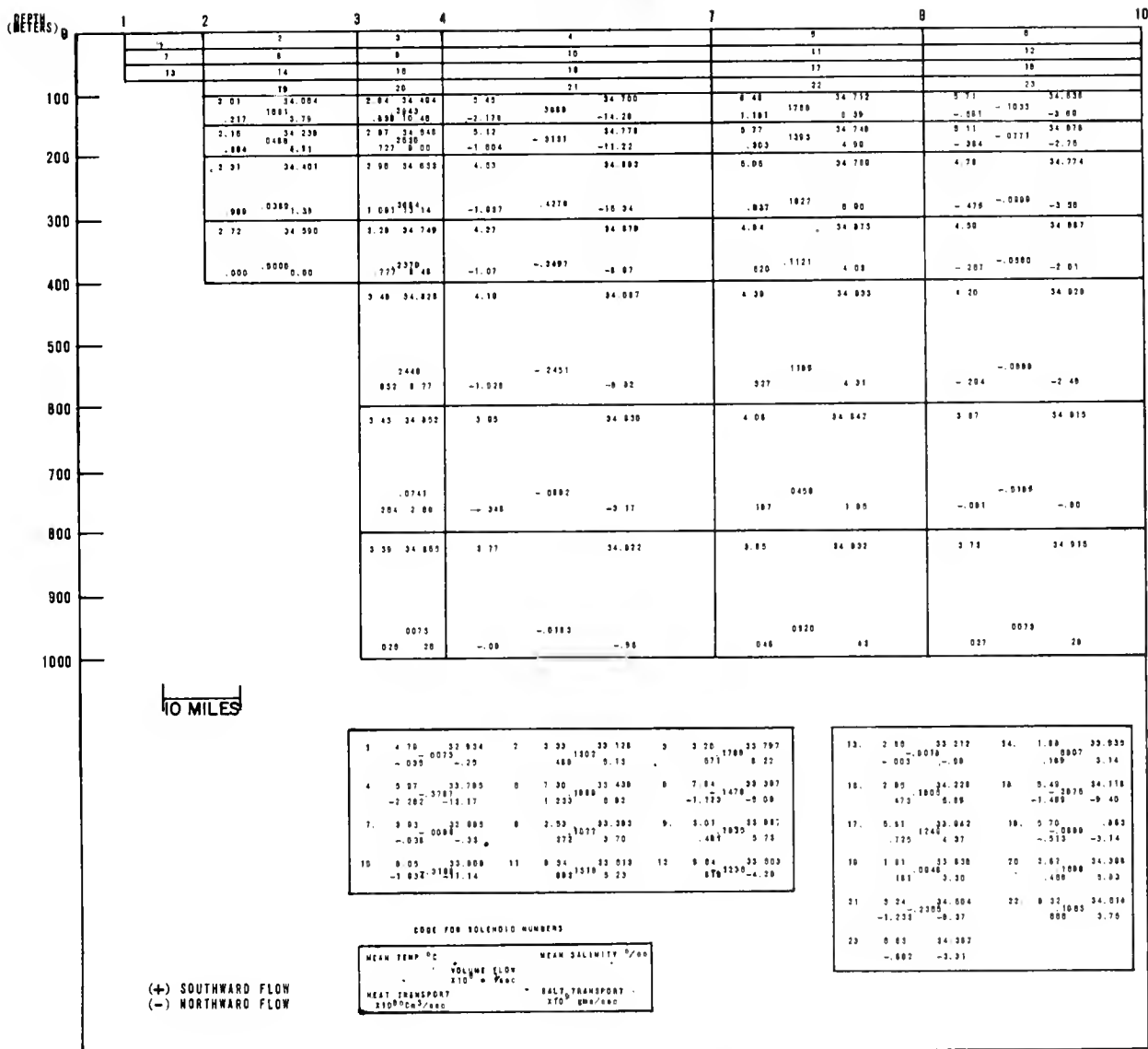


FIGURE 25. Solenoid division of North Atlantic Standard Monitoring Section A3 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC MENDOTA, 23-24 November 1966.

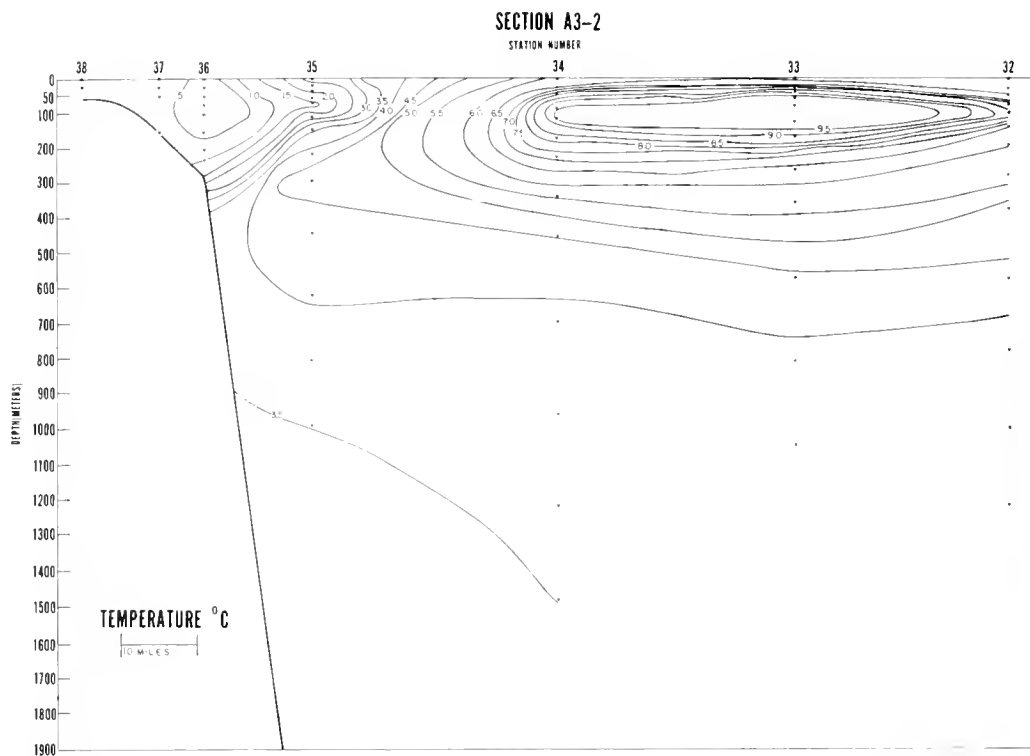


FIGURE 26. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A3 on 28-29 January 1965, prepared from data of USCGC INGHAM.

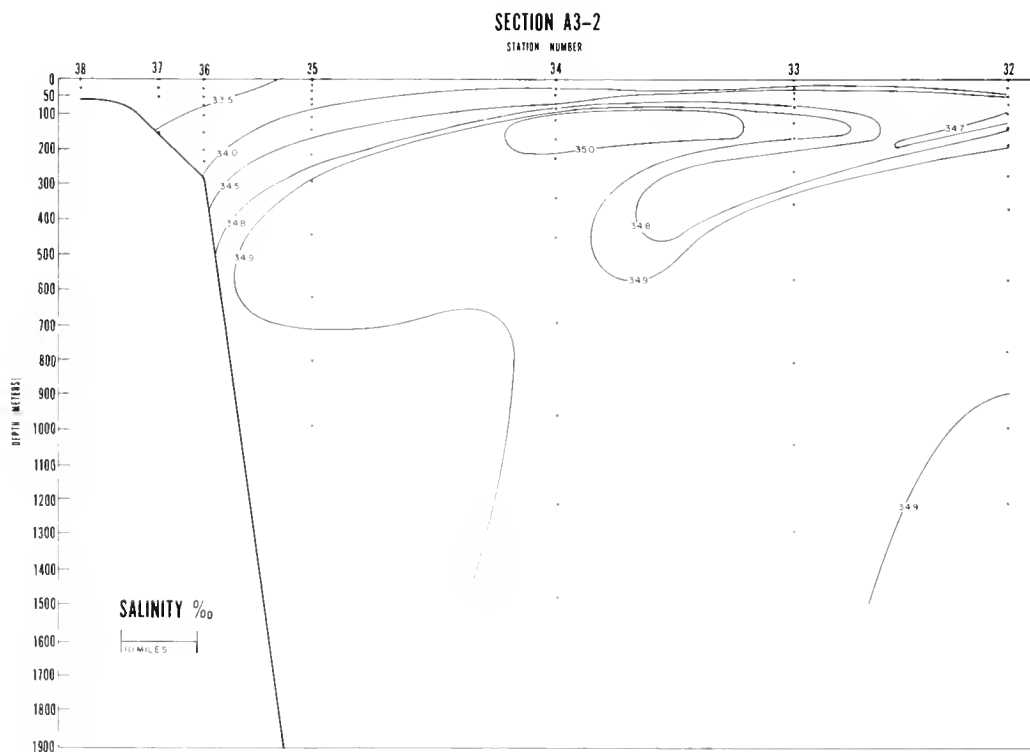
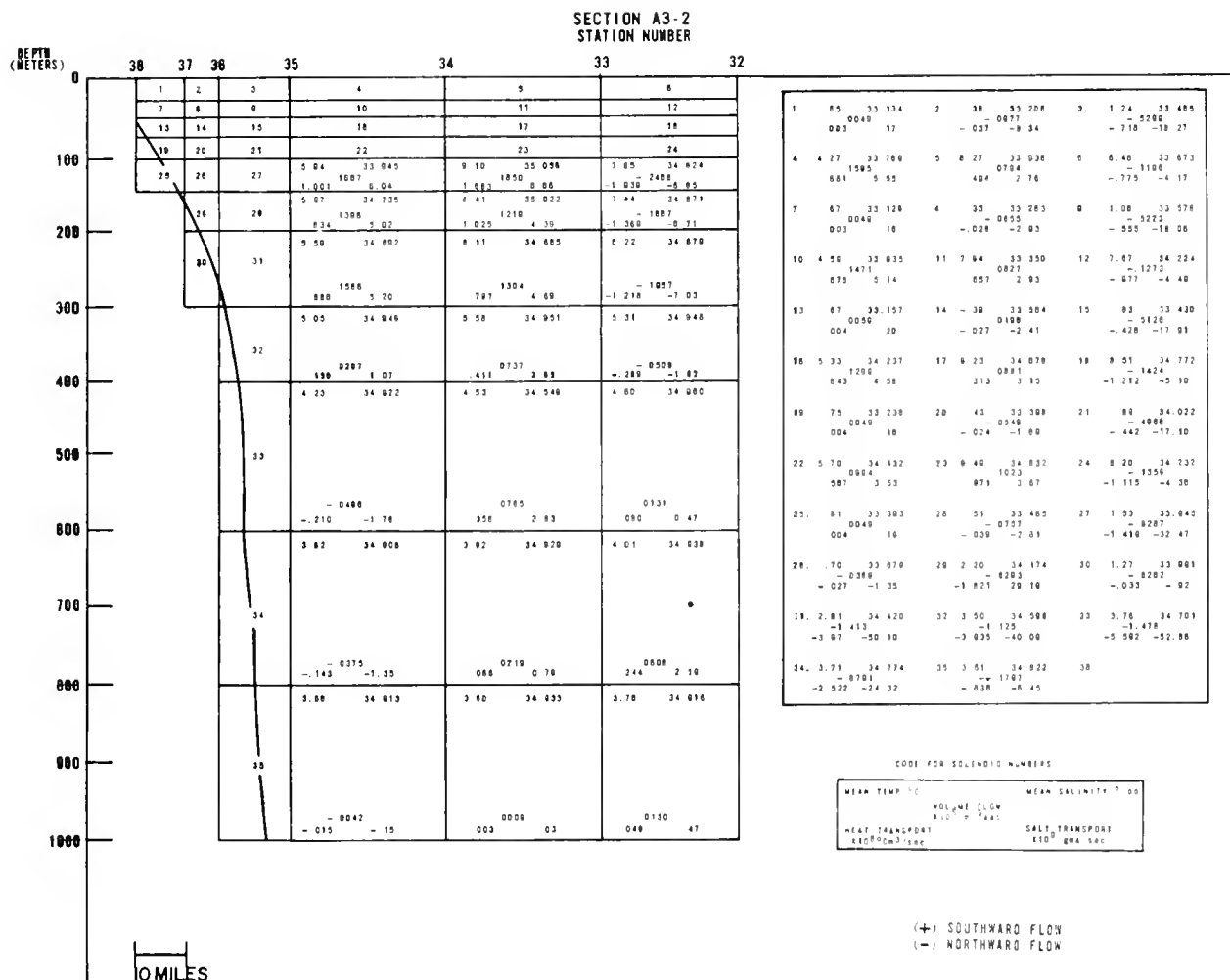


FIGURE 27. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A3 on 28-29 January 1965, prepared from data of USCGC INGHAM.



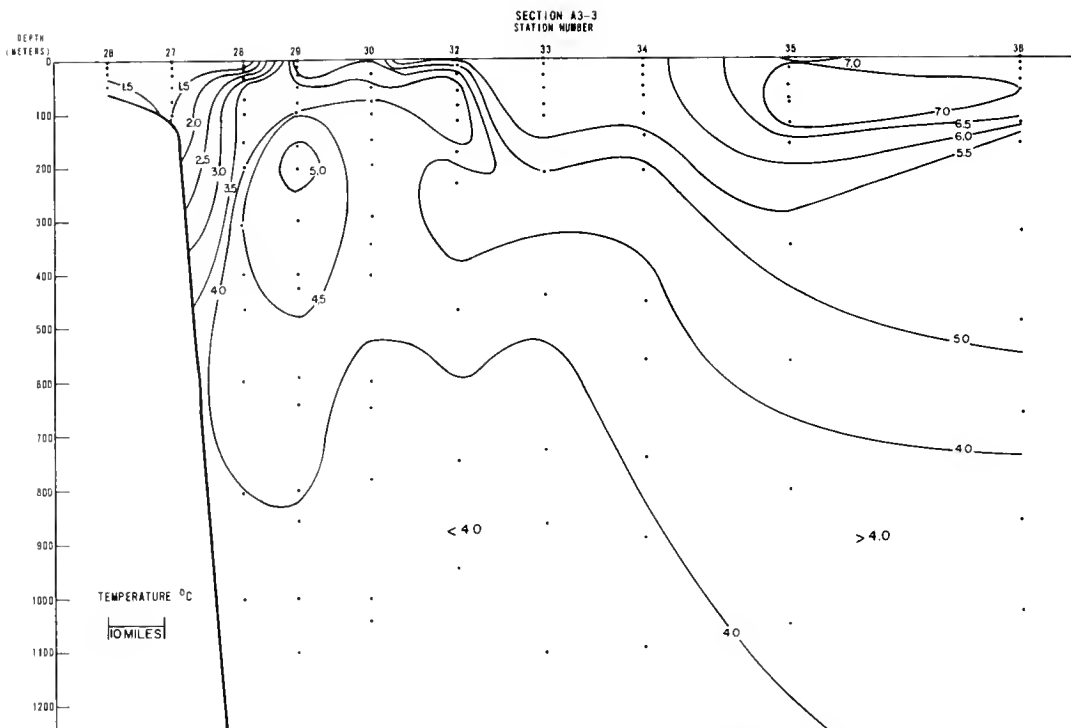


FIGURE 29. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A3 on 14-15 February 1966, prepared from data of USCGC DUANE.

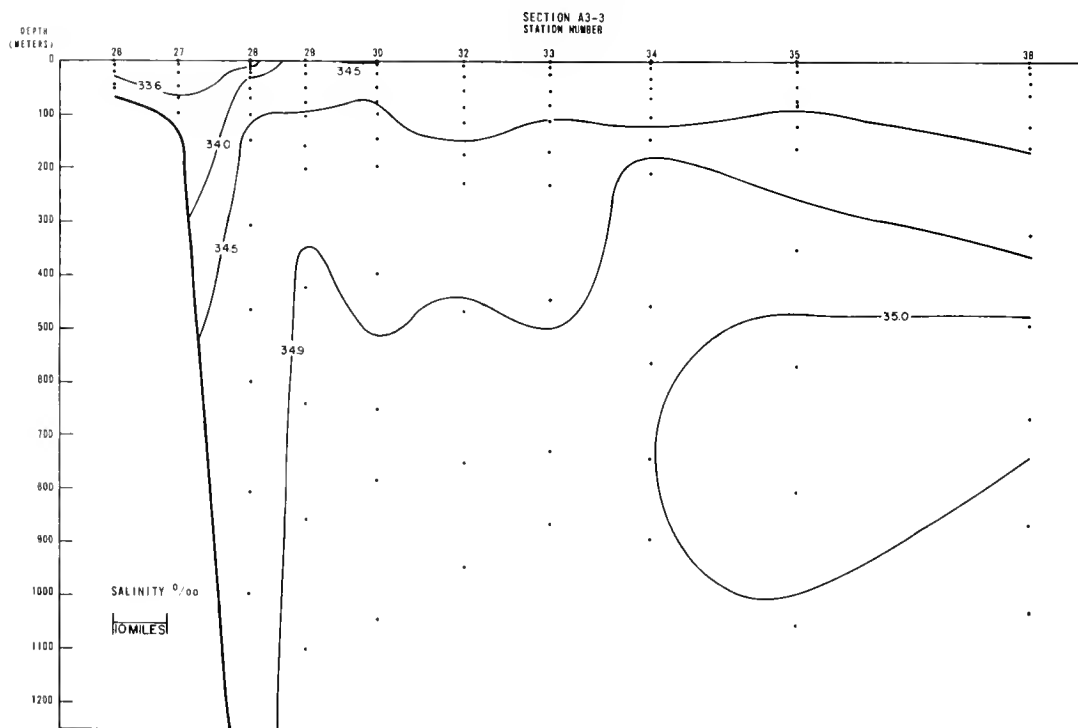


FIGURE 30. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A3 on 14-15 February 1966, prepared from data of USCGC DUANE.

SECTION A3-3
STATION NUMBER

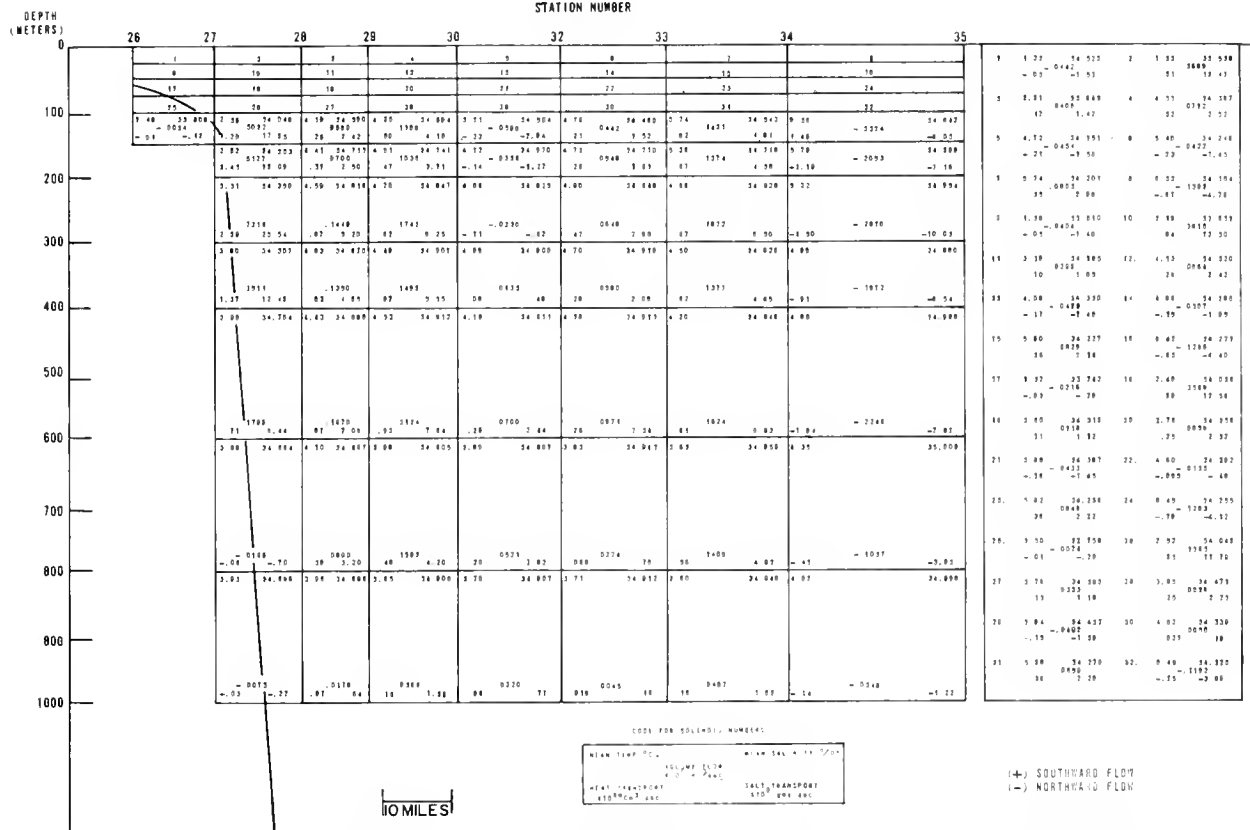


FIGURE 31. Solenoid division of North Atlantic Standard Monitoring Section A3 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC DUANE, 14-15 February 1966.

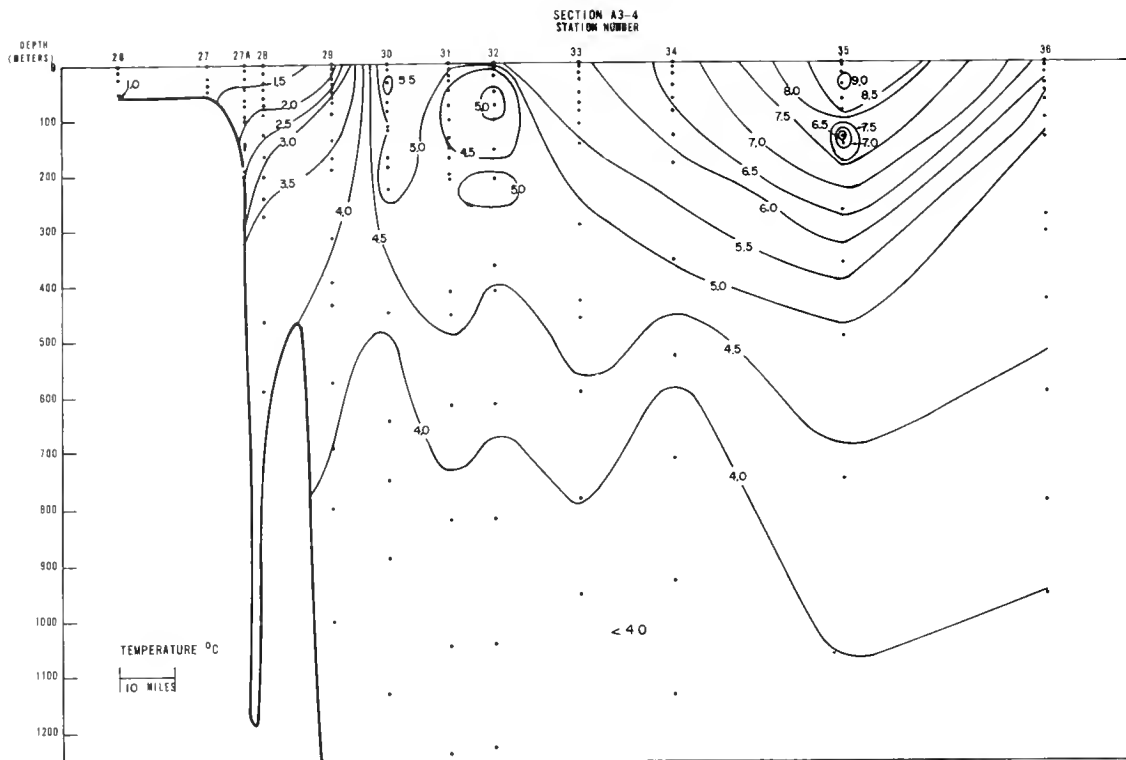


FIGURE 32. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A3 on 9-10 March 1966, prepared from data of USCGC HUMBOLDT.

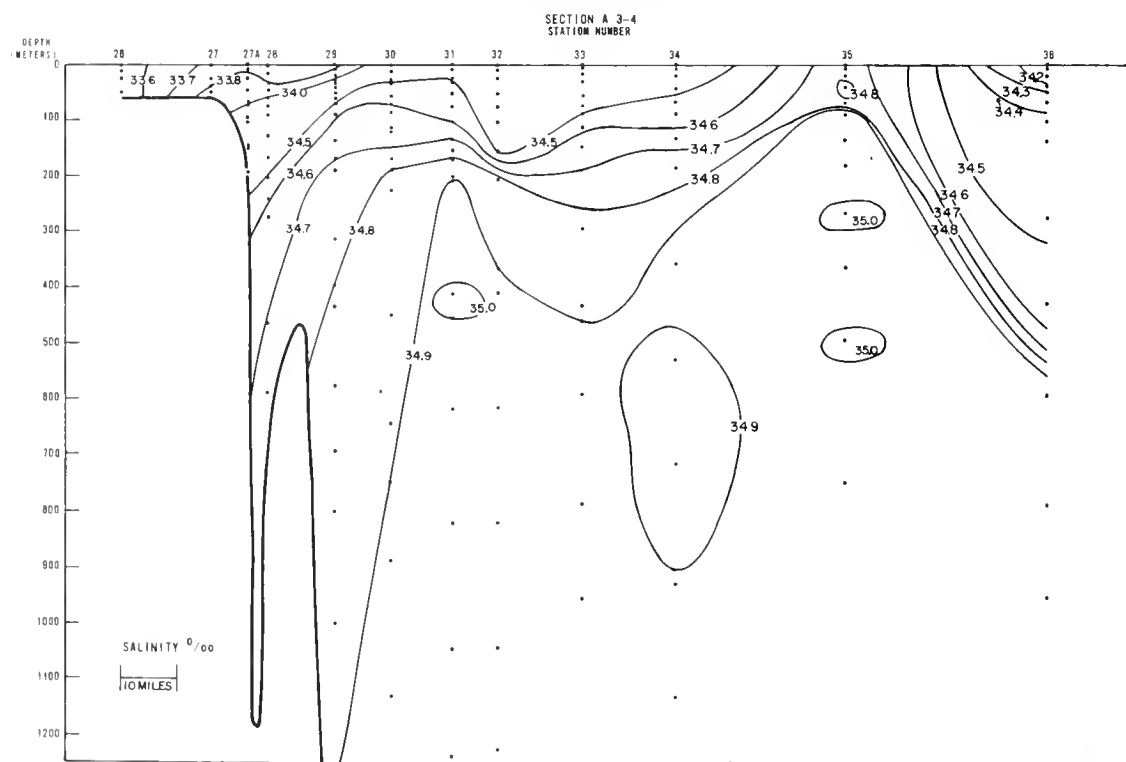


FIGURE 33. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A3 on 9-10 March 1966, prepared from data of USCGC HUMBOLDT.

SECTION A3-4
STATION NUMBER

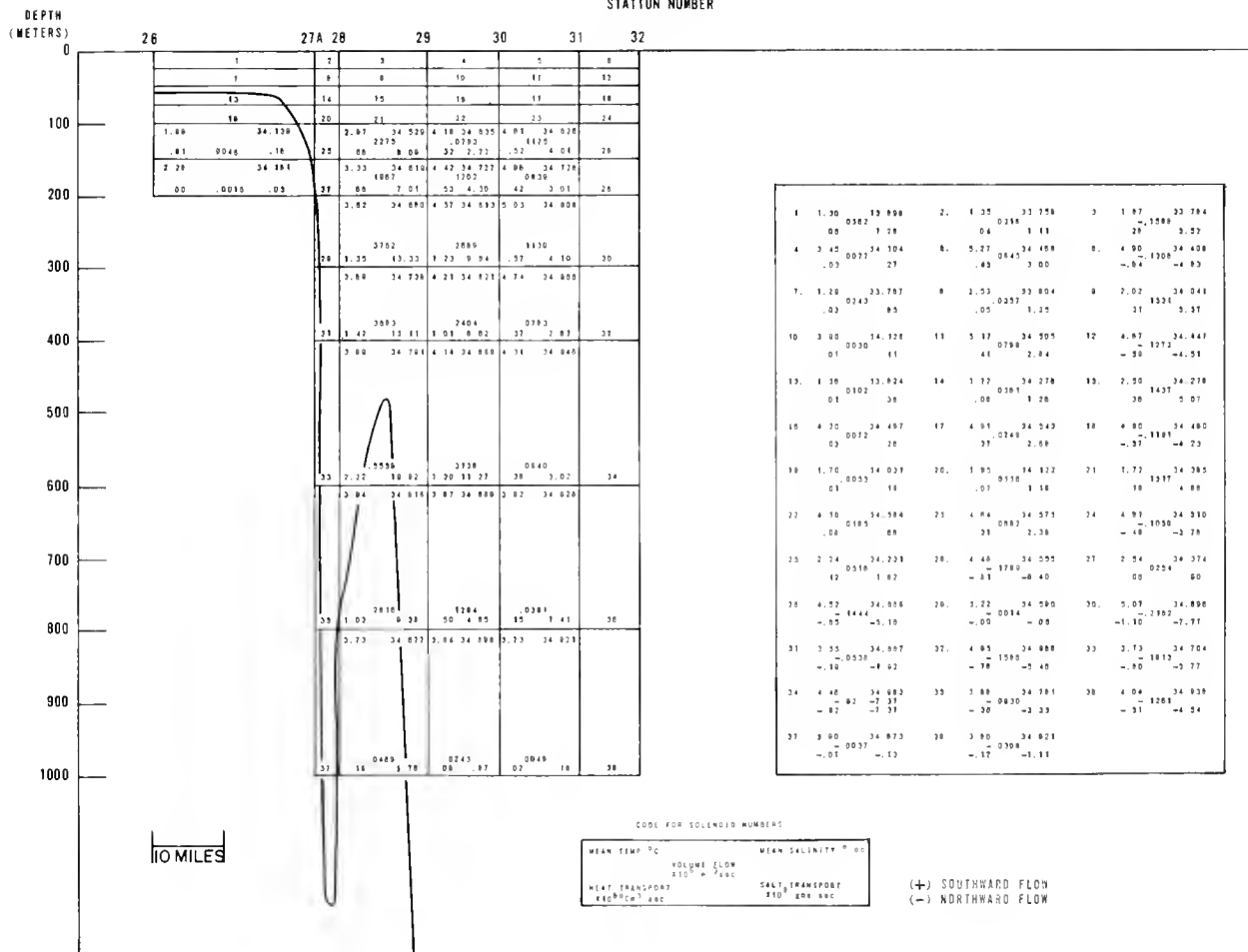


FIGURE 34. Solenoid division of North Atlantic Standard Monitoring Section A3 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC HUMBOLDT, 9-10 March 1966.

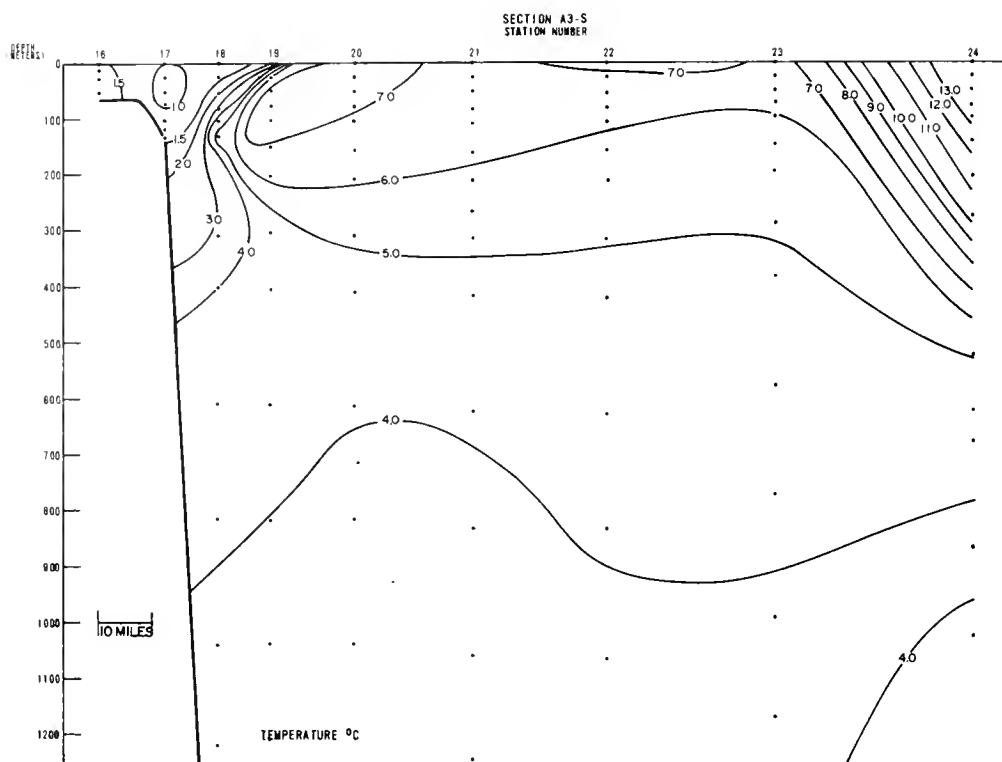


FIGURE 35. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A3 on 4-5 April 1966, prepared from data of USCGC EVERGREEN.

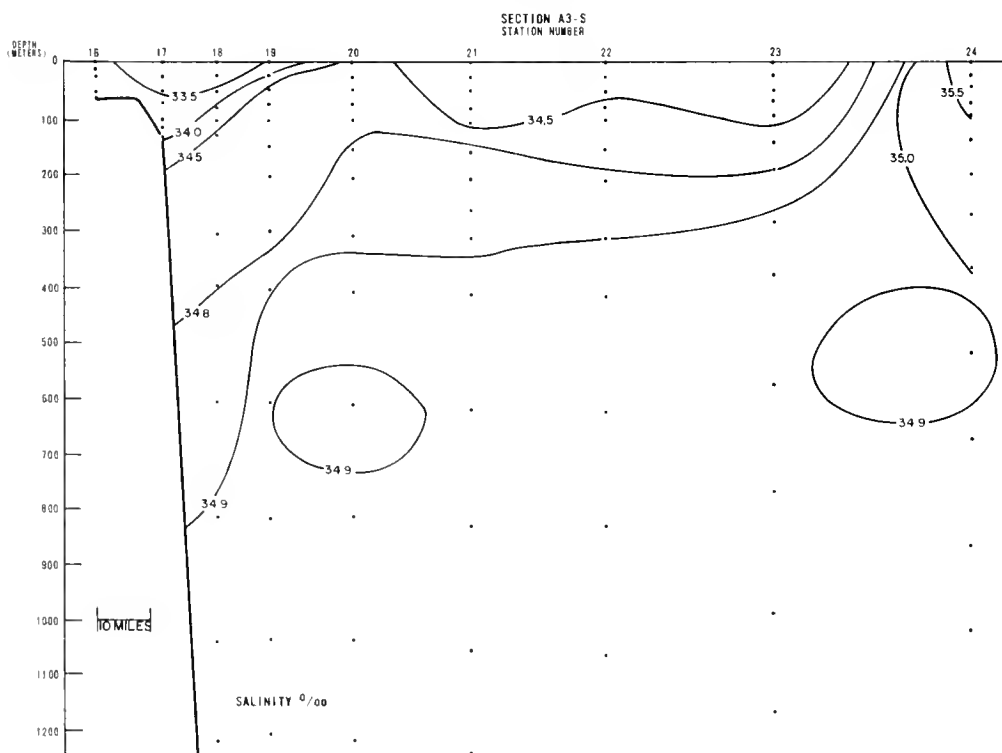


FIGURE 36. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A3 on 4-5 April 1966, prepared from data of USCGC EVERGREEN.

SECTION A3-5 STATION NUMBER

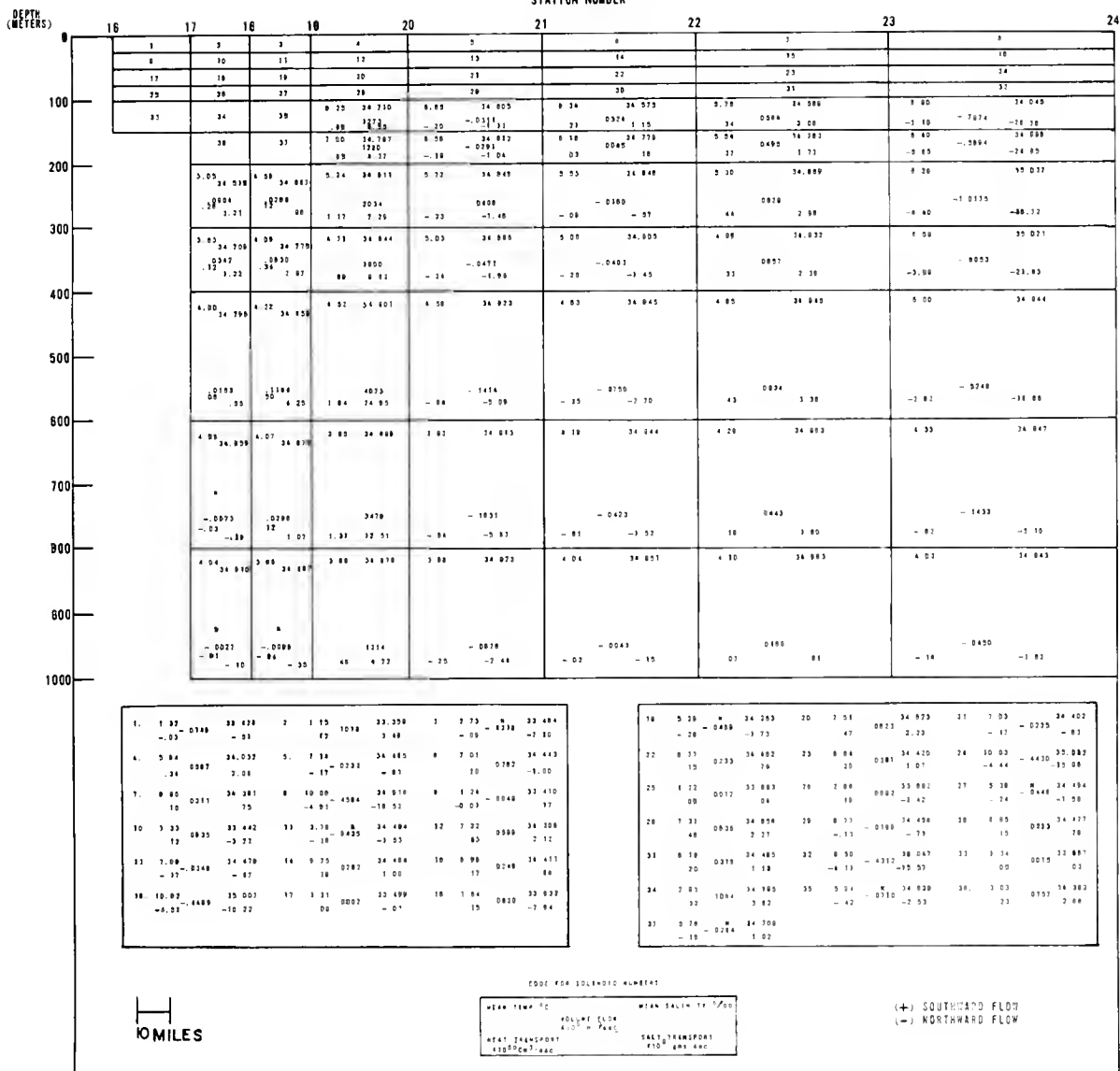


FIGURE 37. Solenoid division of North Atlantic Standard Monitoring Section A3 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 4-5 April 1966.

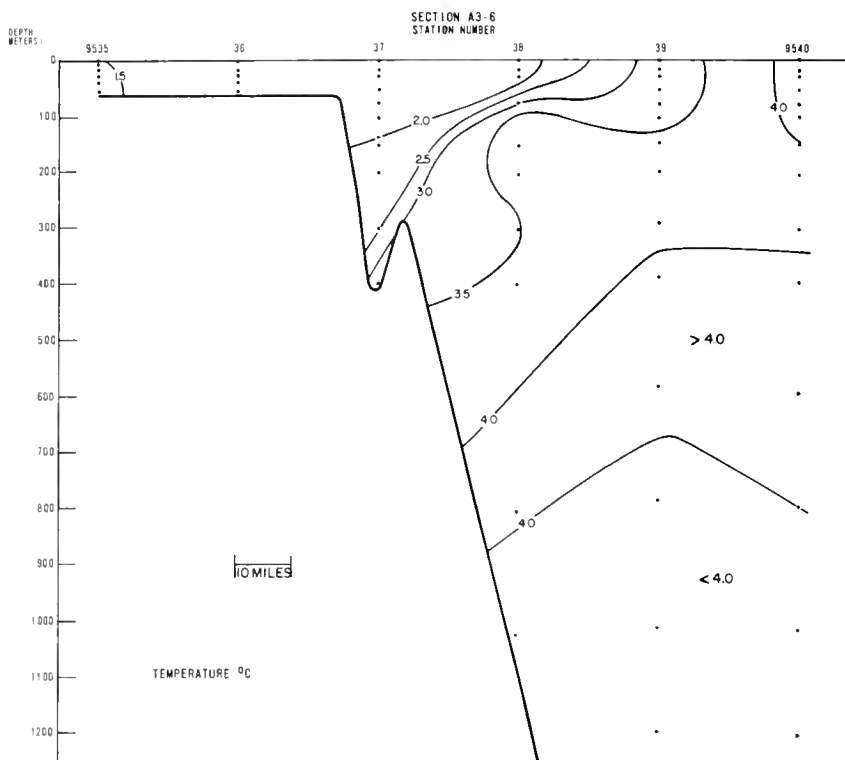


FIGURE 38. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A3 on 16-17 April, 1966, prepared from data of USCGC EVERGREEN.

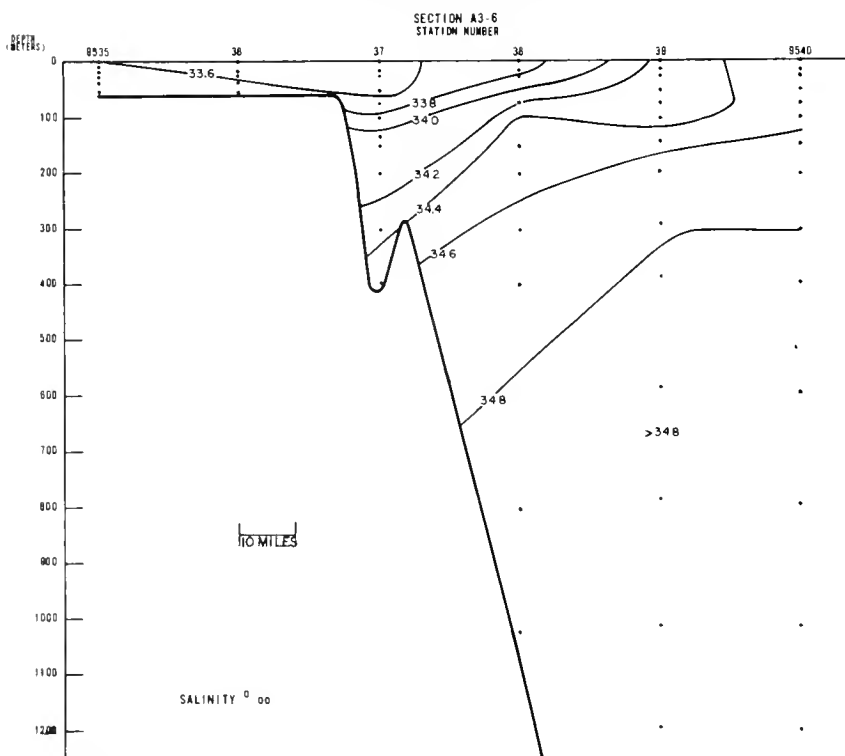


FIGURE 39. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A3 on 16-17 April 1966, prepared from data of USCGC EVERGREEN.

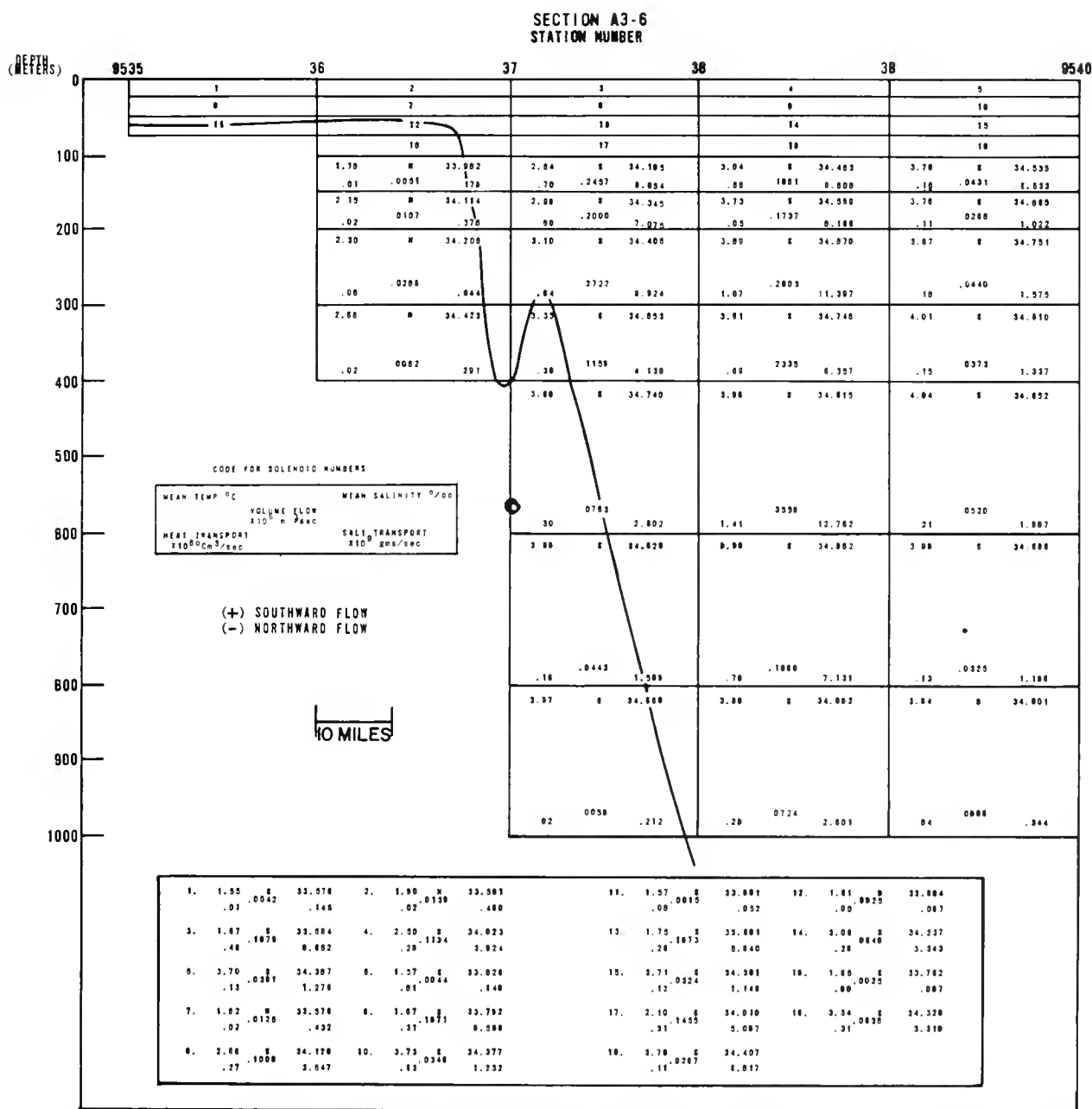


FIGURE 40. Solenoid division of North Atlantic Standard Monitoring Section A3 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 16-17 April 1966.

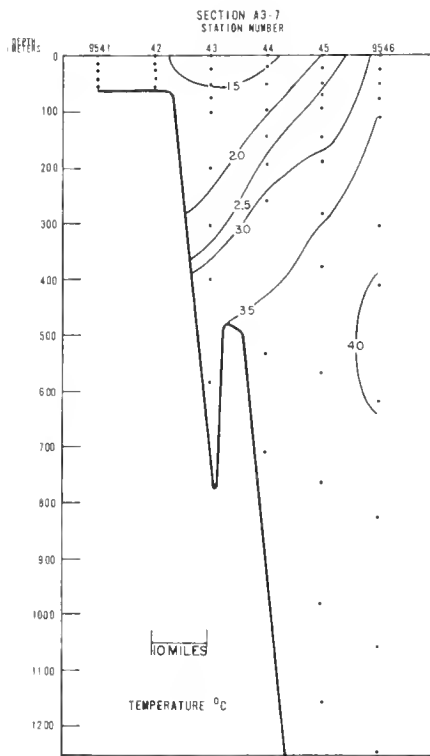


FIGURE 41. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A3 on 18–19 April 1966, prepared from data of USCGC EVERGREEN.

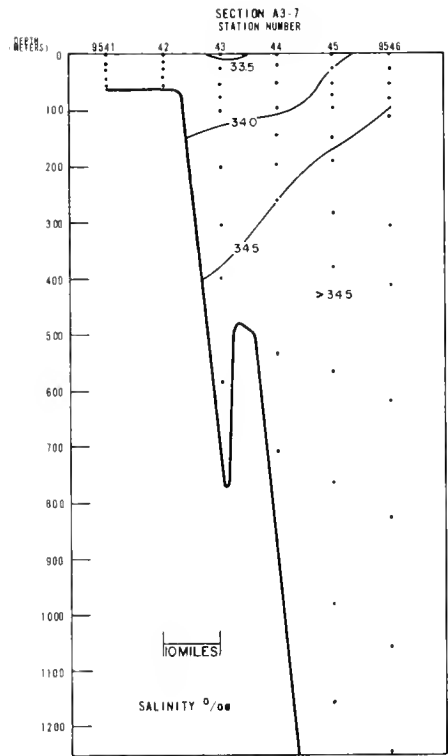
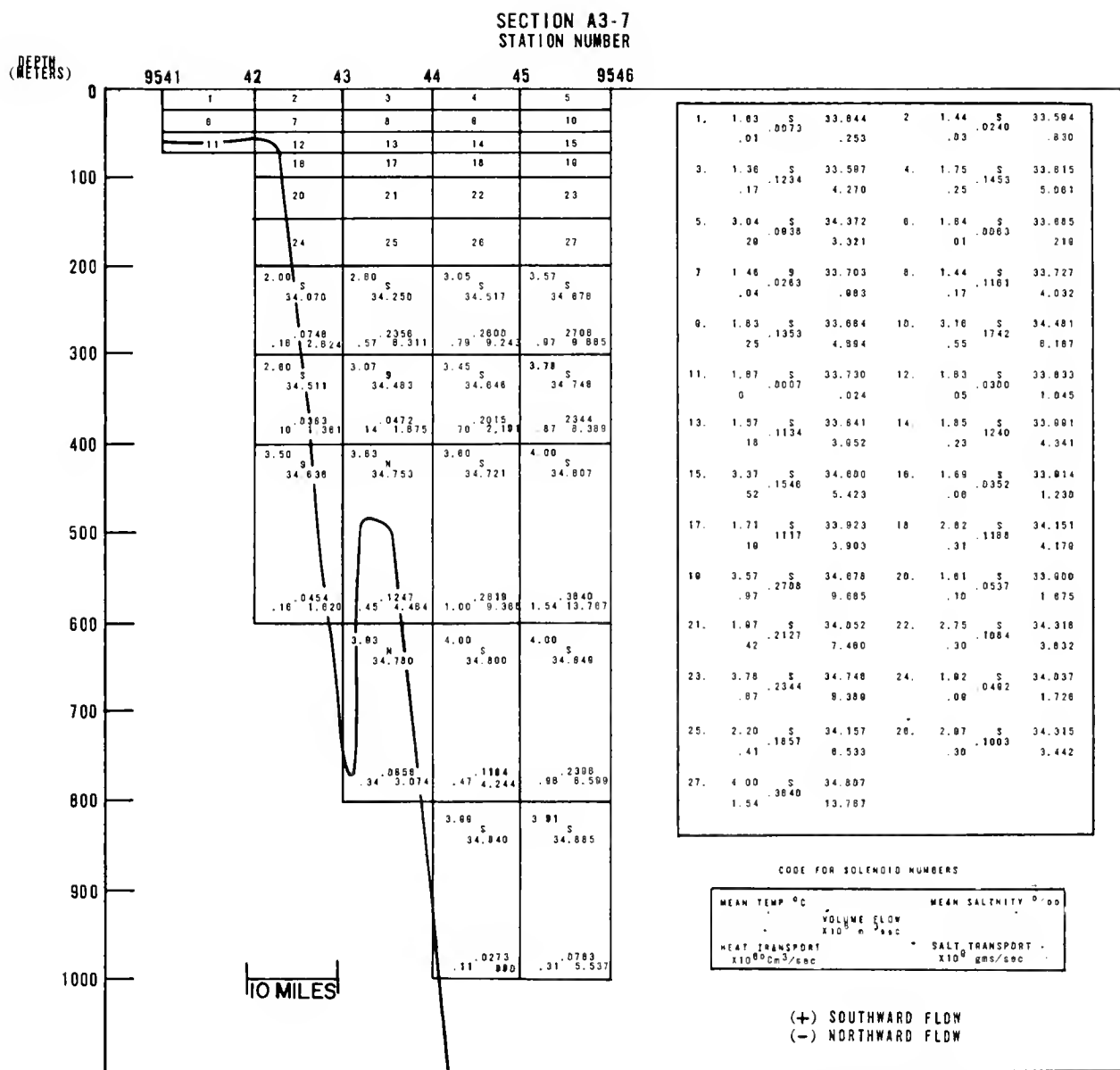


FIGURE 42. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A3 on 18–19 April 1966, prepared from data of USCGC EVERGREEN.



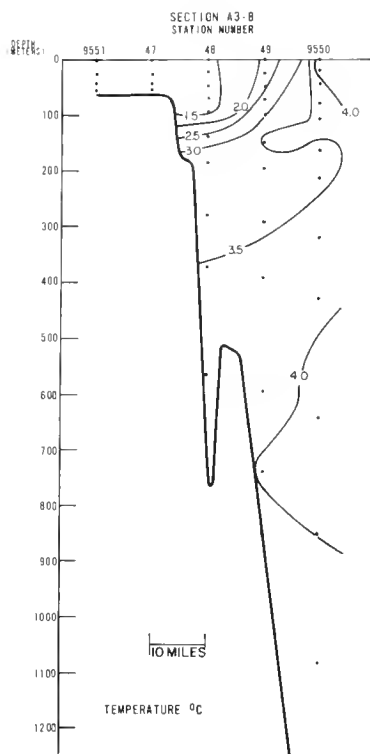


FIGURE 45. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A3 on 21 April 1966, prepared from data of USCGC EVERGREEN.

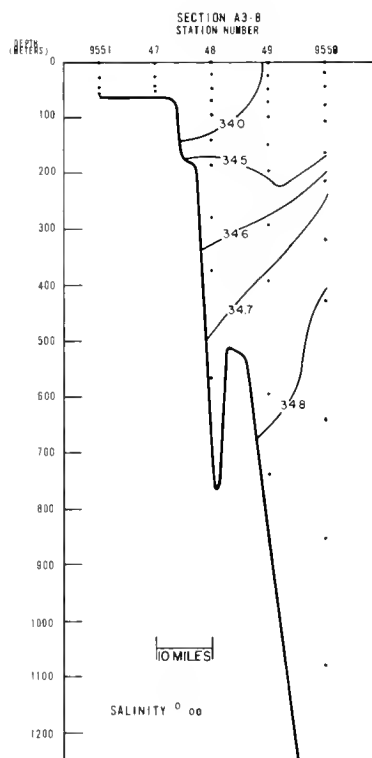


FIGURE 44. Vertical cross section of temperature (°C) on North Atlantic Standard Monitoring Section A3 on 21 April 1966, prepared from data of USCGC EVERGREEN.

SECTION A3-8 STATION NUMBER

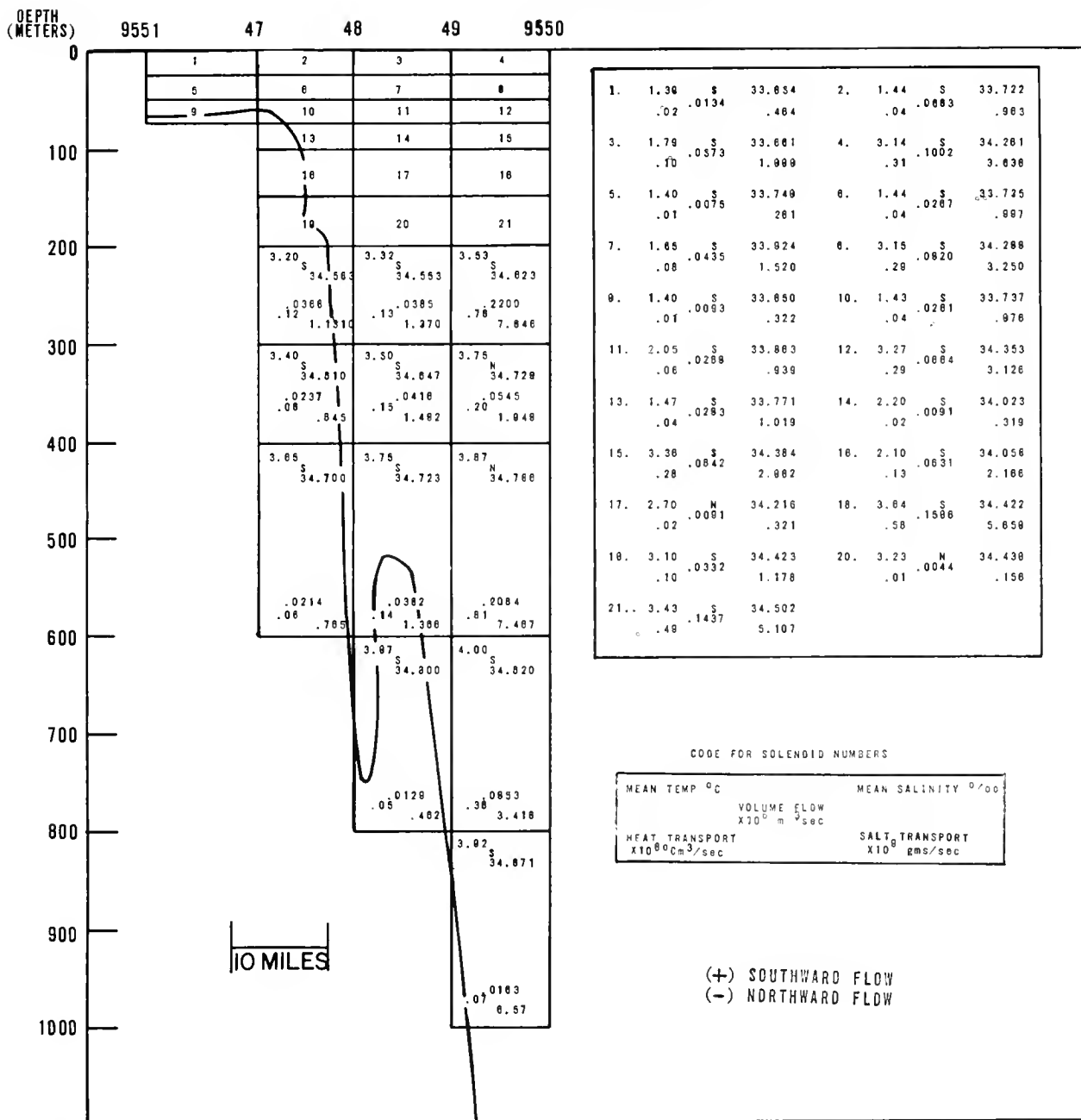


FIGURE 46. Solenoid division of North Atlantic Standard Monitoring Section A3 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 21 April 1966.

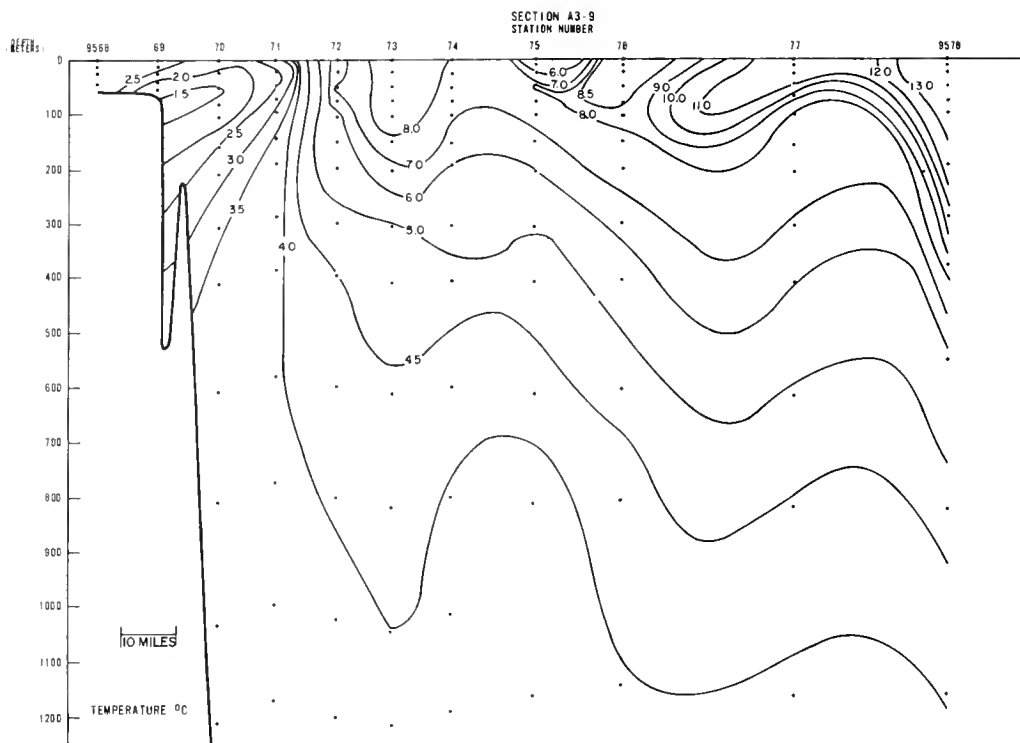


FIGURE 47. Vertical cross section of temperature ($^{\circ}$) on North Atlantic Standard Monitoring Section A3 on 25-26 May 1966, prepared from data of USCGC EVERGREEN.

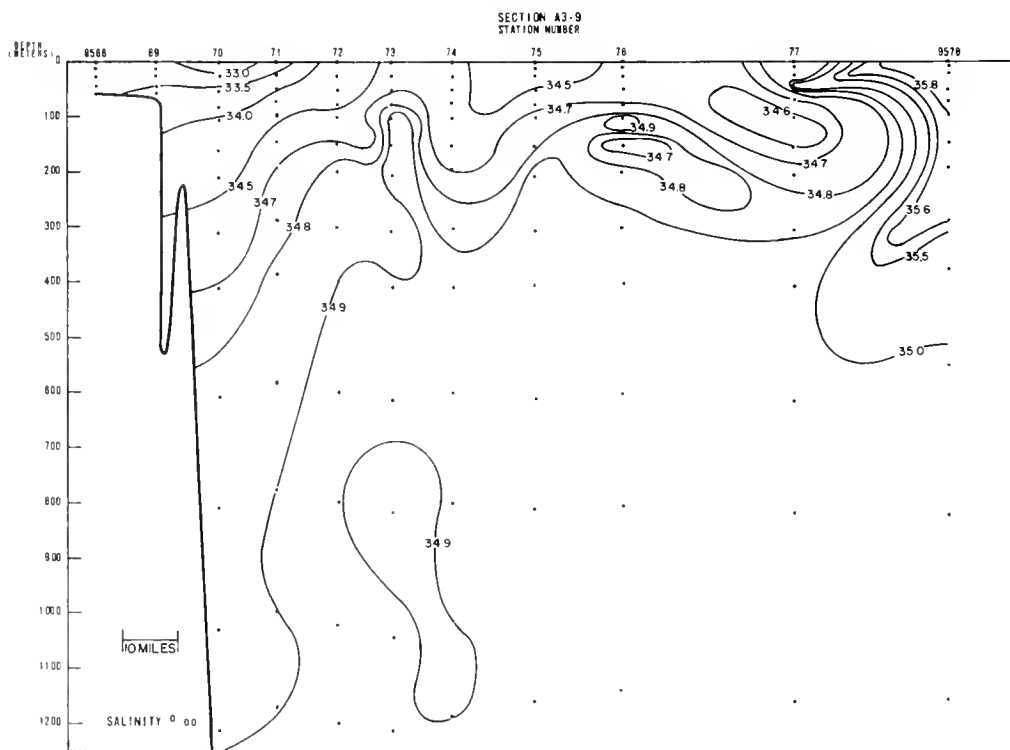


FIGURE 48. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A3 on 25-26 May 1966, prepared from data of USCGC EVERGREEN.

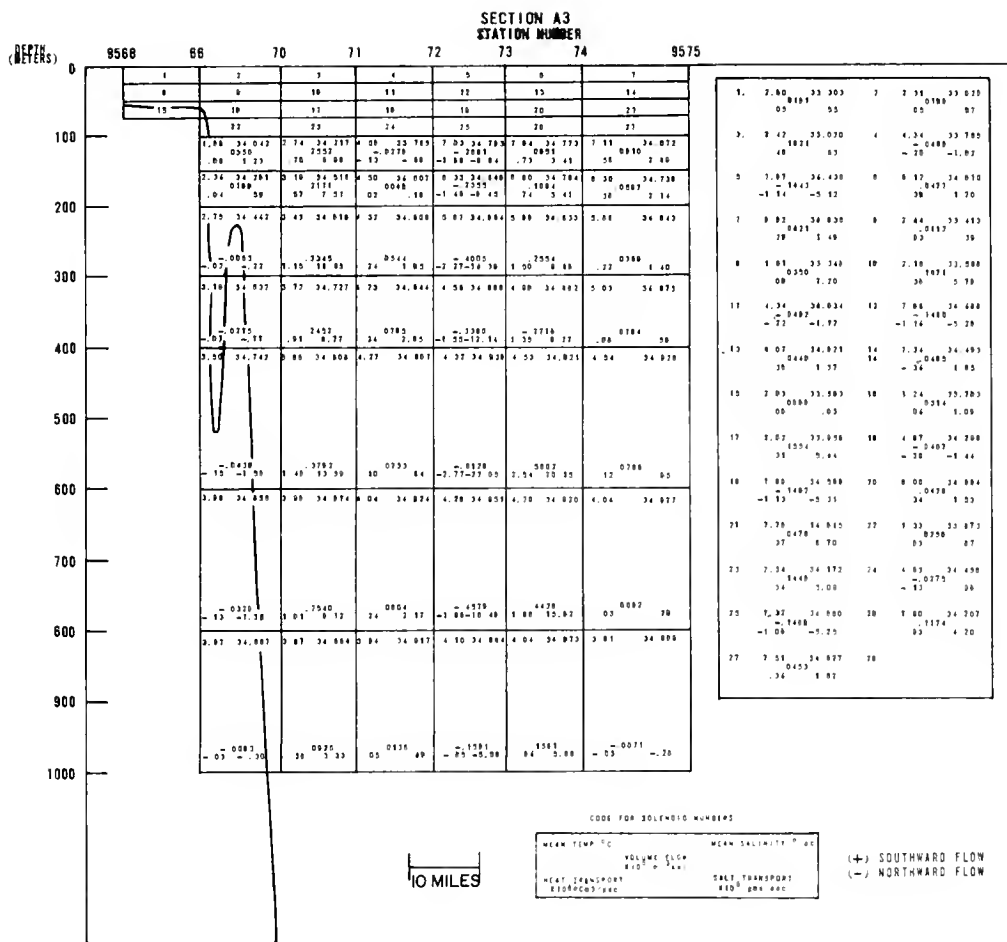


FIGURE 49. Solenoid division of North Atlantic Standard Monitoring Section A3 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 25-26 May 1966.

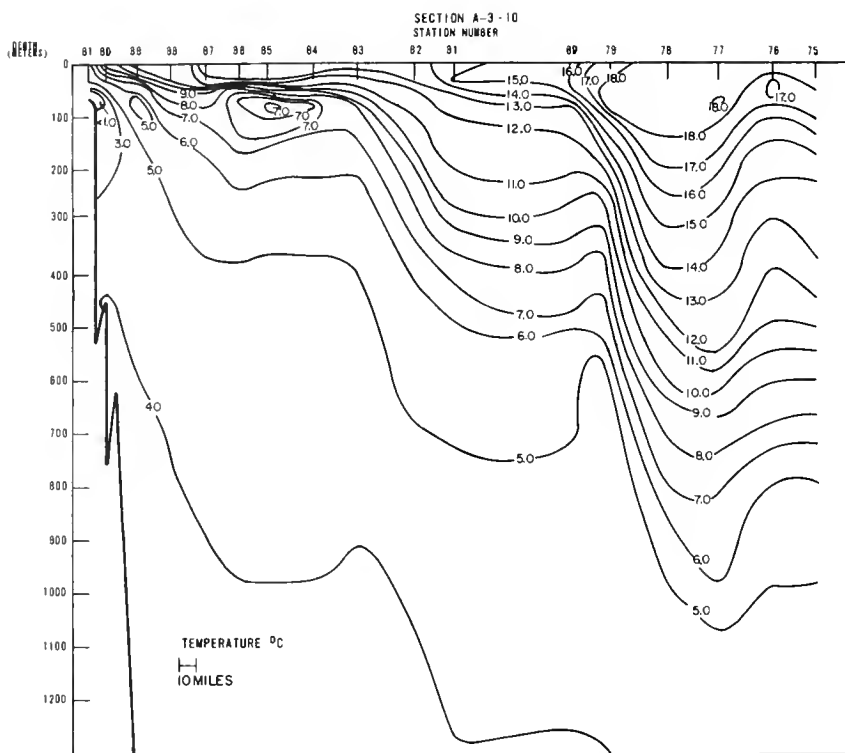


FIGURE 50. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A3 on 9-11 November 1966, prepared from data of USCGC EVERGREEN.

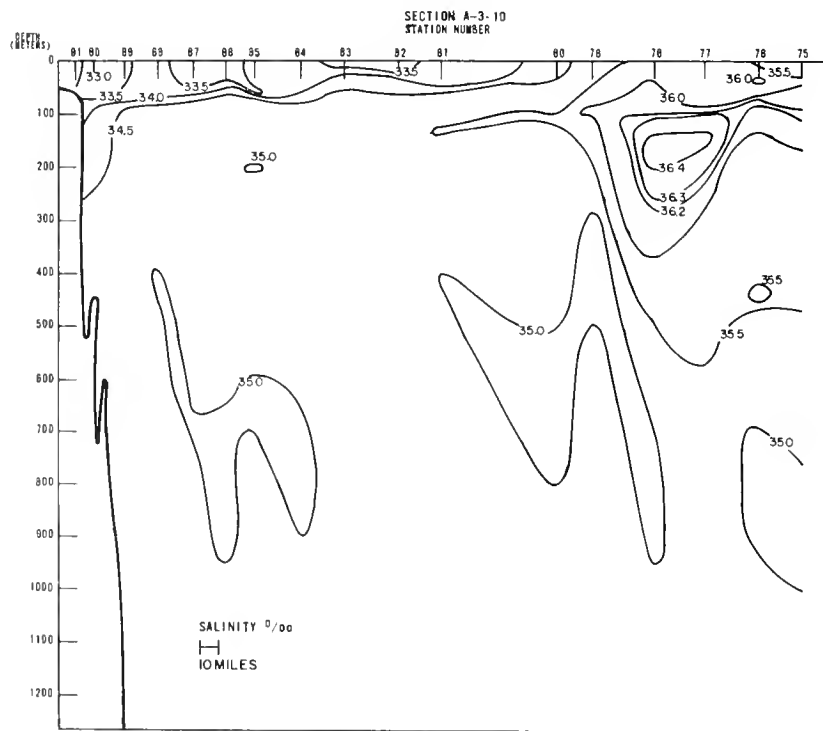


FIGURE 51. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A3 on 9-11 November 1966, prepared from data of USCGC EVERGREEN.

STATION NUMBER

DEPTH (METERS)	81	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
100	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
200	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
300	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
400	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	
500	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	
600	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	
700	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	
800	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	
900	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	
1000	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	

CODE FOR SOUNDING NUMBERS

MEAN TEMP °C	VOLUME FLOW 10 ¹⁰ m ³ /sec	MEAN SALINITY ‰/‰
10.0	1.0	1.0
10.1	1.1	1.1
10.2	1.2	1.2
10.3	1.3	1.3
10.4	1.4	1.4
10.5	1.5	1.5
10.6	1.6	1.6
10.7	1.7	1.7
10.8	1.8	1.8
10.9	1.9	1.9
11.0	2.0	2.0
11.1	2.1	2.1
11.2	2.2	2.2
11.3	2.3	2.3
11.4	2.4	2.4
11.5	2.5	2.5
11.6	2.6	2.6
11.7	2.7	2.7
11.8	2.8	2.8
11.9	2.9	2.9
12.0	3.0	3.0
12.1	3.1	3.1
12.2	3.2	3.2
12.3	3.3	3.3
12.4	3.4	3.4
12.5	3.5	3.5
12.6	3.6	3.6
12.7	3.7	3.7
12.8	3.8	3.8
12.9	3.9	3.9
13.0	4.0	4.0
13.1	4.1	4.1
13.2	4.2	4.2
13.3	4.3	4.3
13.4	4.4	4.4
13.5	4.5	4.5
13.6	4.6	4.6
13.7	4.7	4.7
13.8	4.8	4.8
13.9	4.9	4.9
14.0	5.0	5.0
14.1	5.1	5.1
14.2	5.2	5.2
14.3	5.3	5.3
14.4	5.4	5.4
14.5	5.5	5.5
14.6	5.6	5.6
14.7	5.7	5.7
14.8	5.8	5.8
14.9	5.9	5.9
15.0	6.0	6.0
15.1	6.1	6.1
15.2	6.2	6.2
15.3	6.3	6.3
15.4	6.4	6.4
15.5	6.5	6.5
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15.7	6.7	6.7
15.8	6.8	6.8
15		

374-179 O-70-4

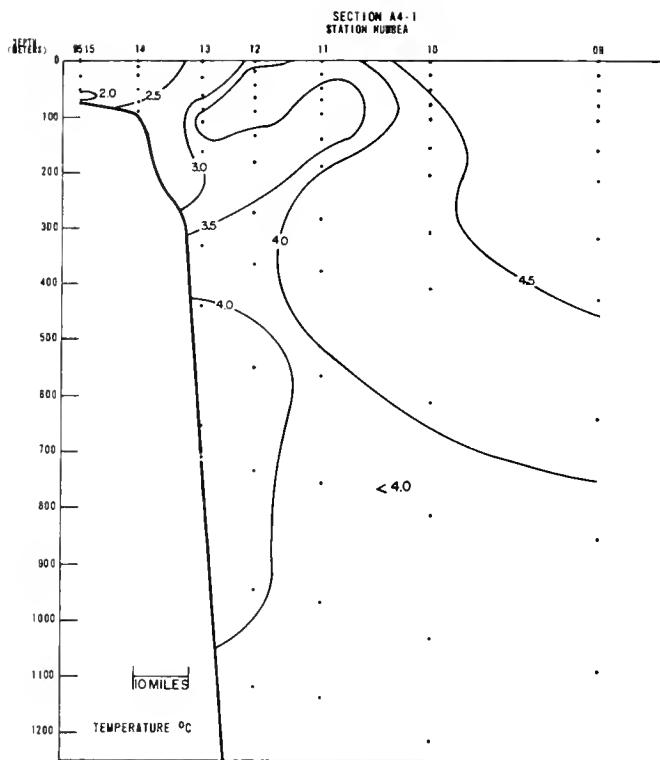


FIGURE 53. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A4 on 2-3 April 1966, prepared from data of USCGC EVERGREEN.

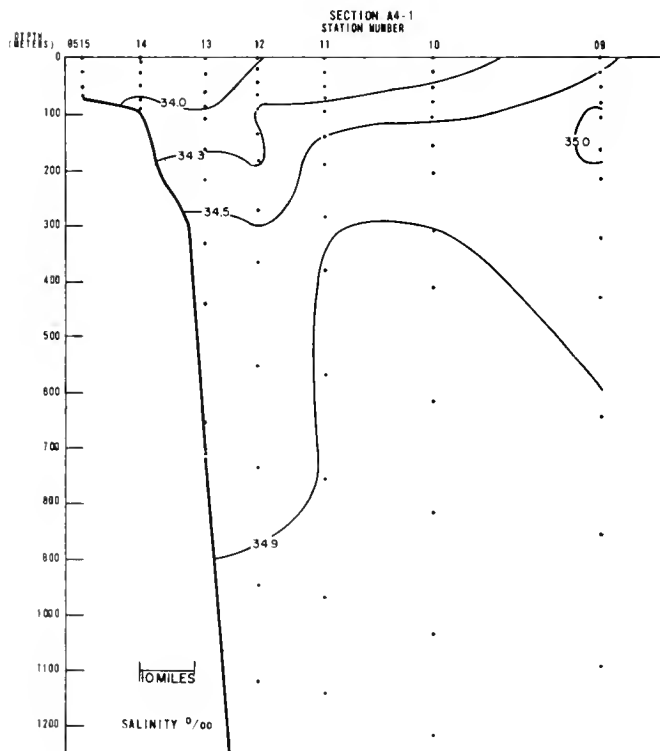


FIGURE 54. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A4 on 2-3 April 1966, prepared from data of USCGC EVERGREEN.

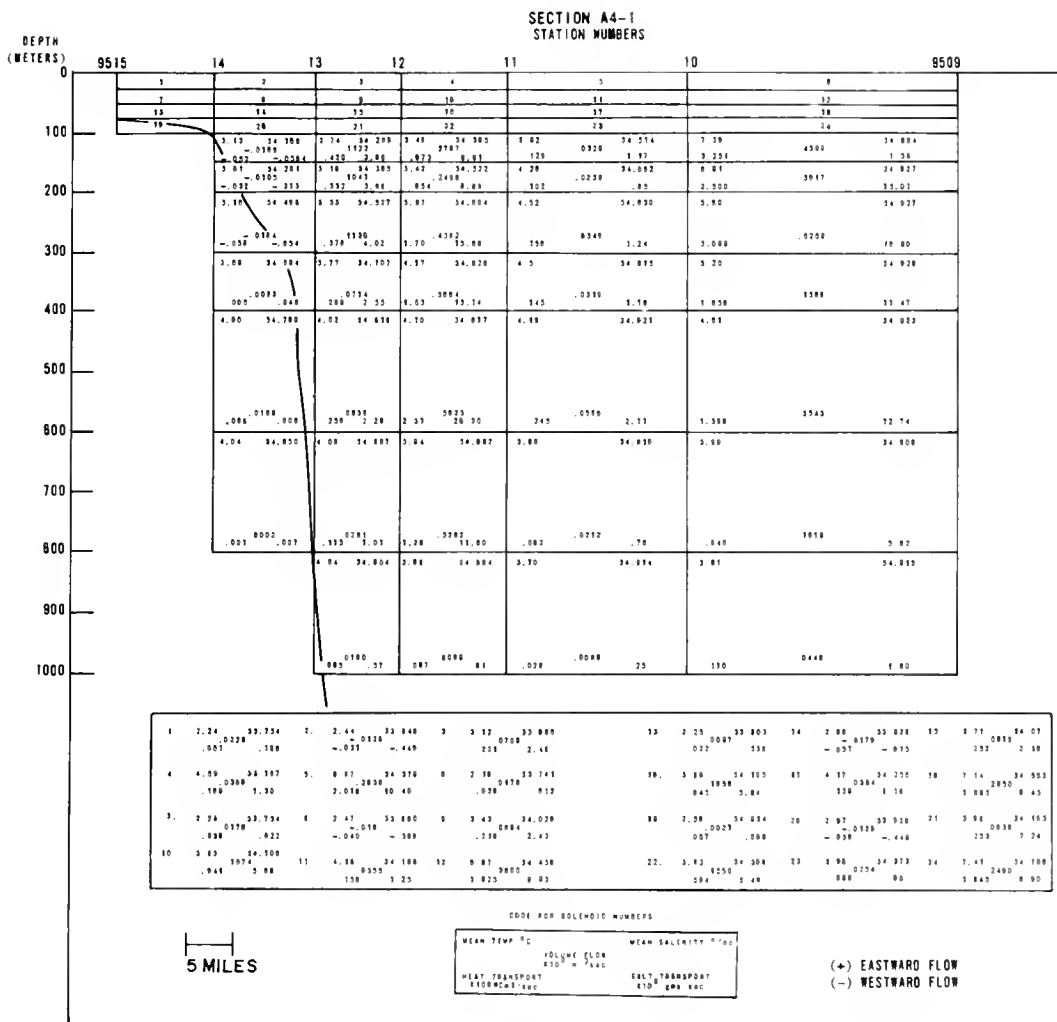


FIGURE 55. Solenoid division of North Atlantic Standard Monitoring Section A4 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 2-3 April 1966.

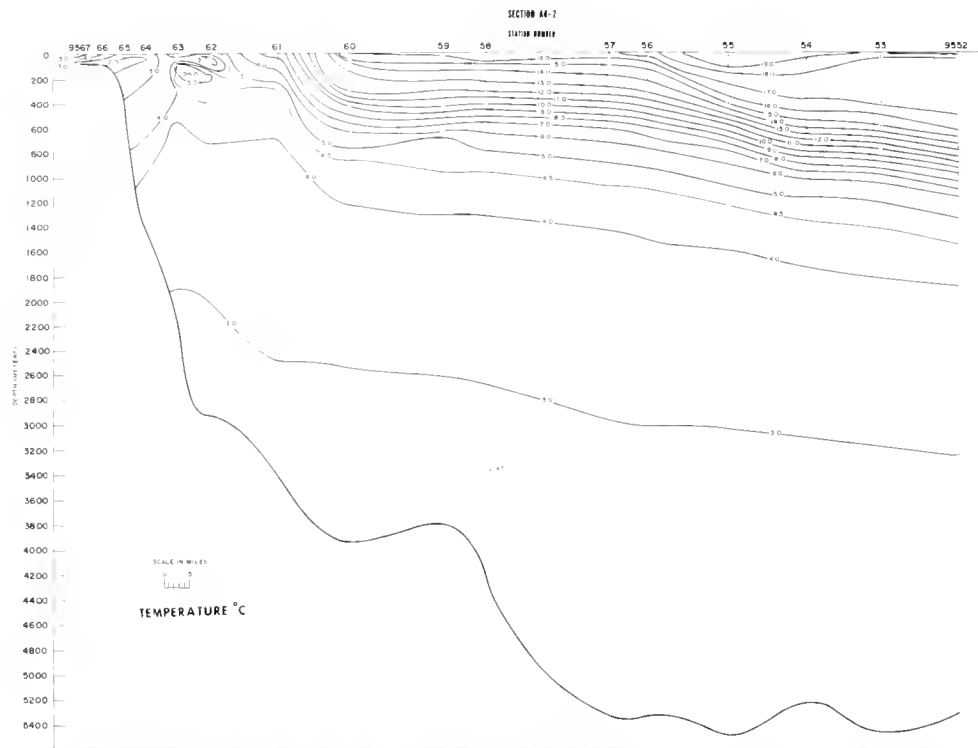


FIGURE 56. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A4 on 22-24 May 1966, prepared from data of USCGC EVERGREEN.

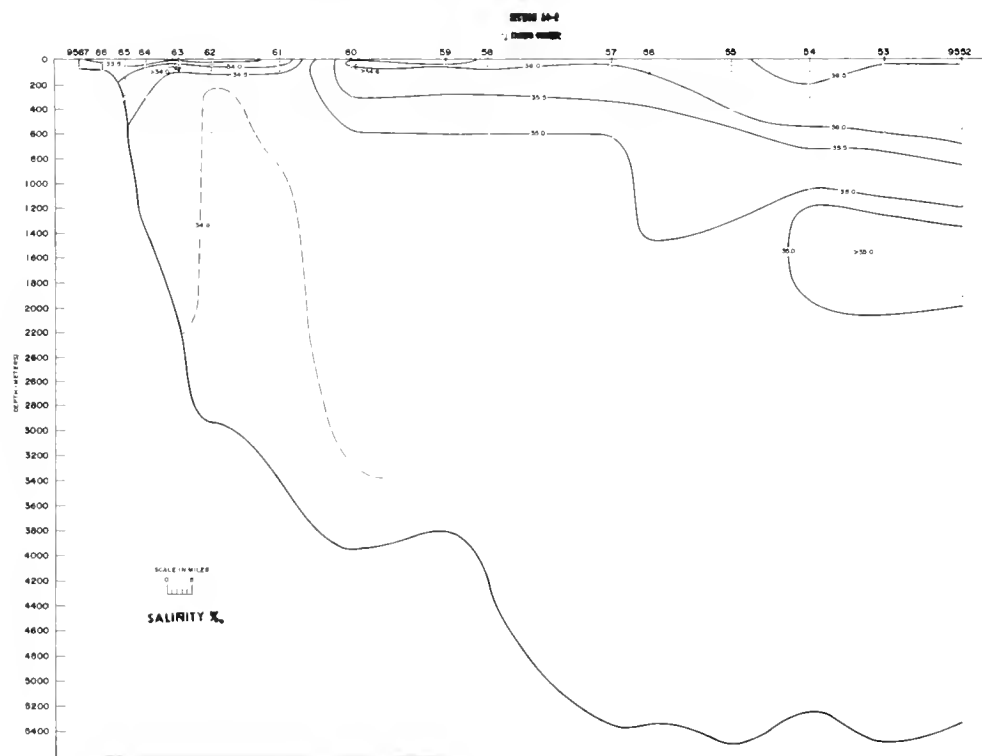


FIGURE 57. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A4 on 22-24 May 1966, prepared from data of USCGC EVERGREEN.

SECTION A4-2 STATION NUMBER

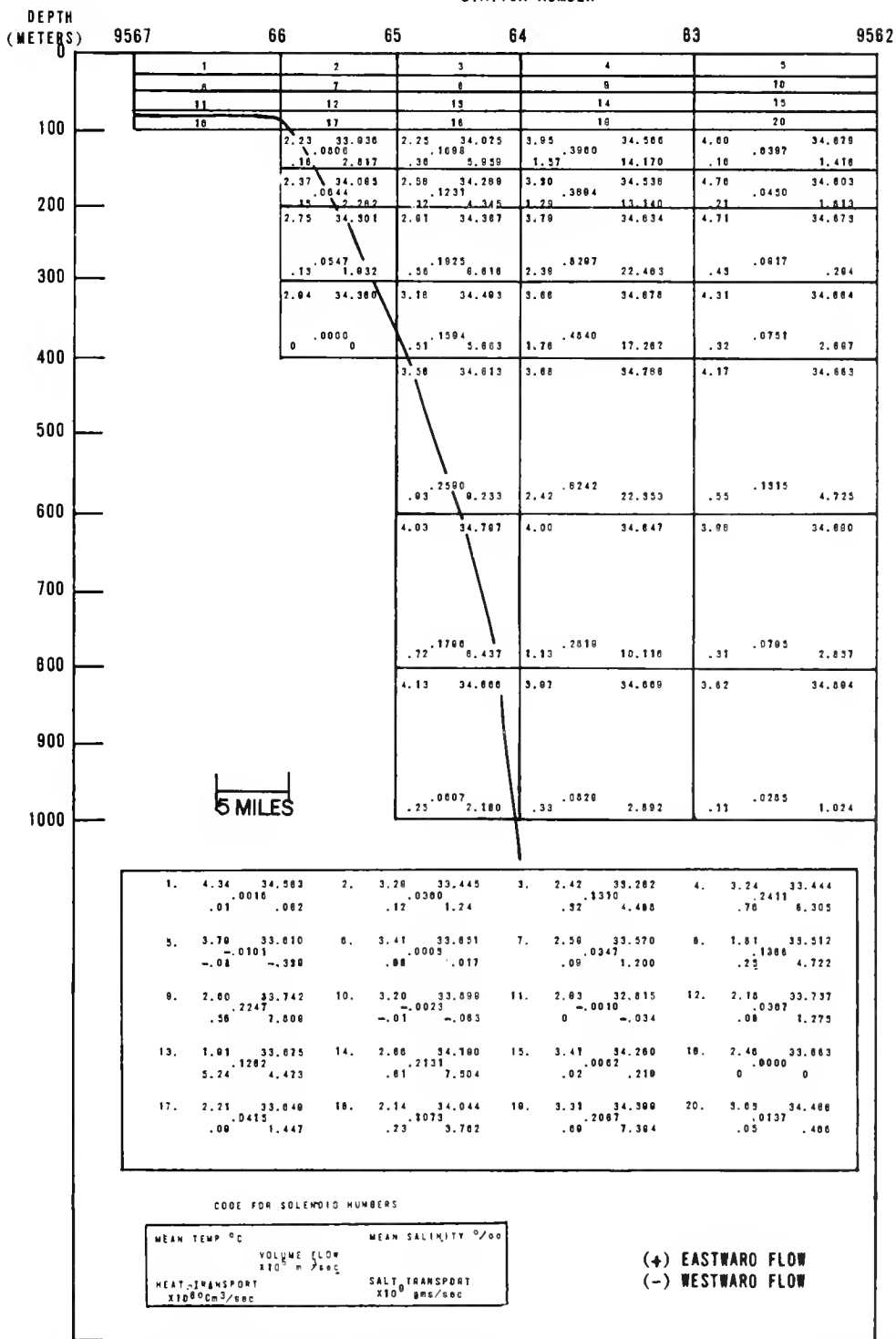


FIGURE 58. Solenoid division of North Atlantic Standard Monitoring Section A4 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 22-24 May 1966.

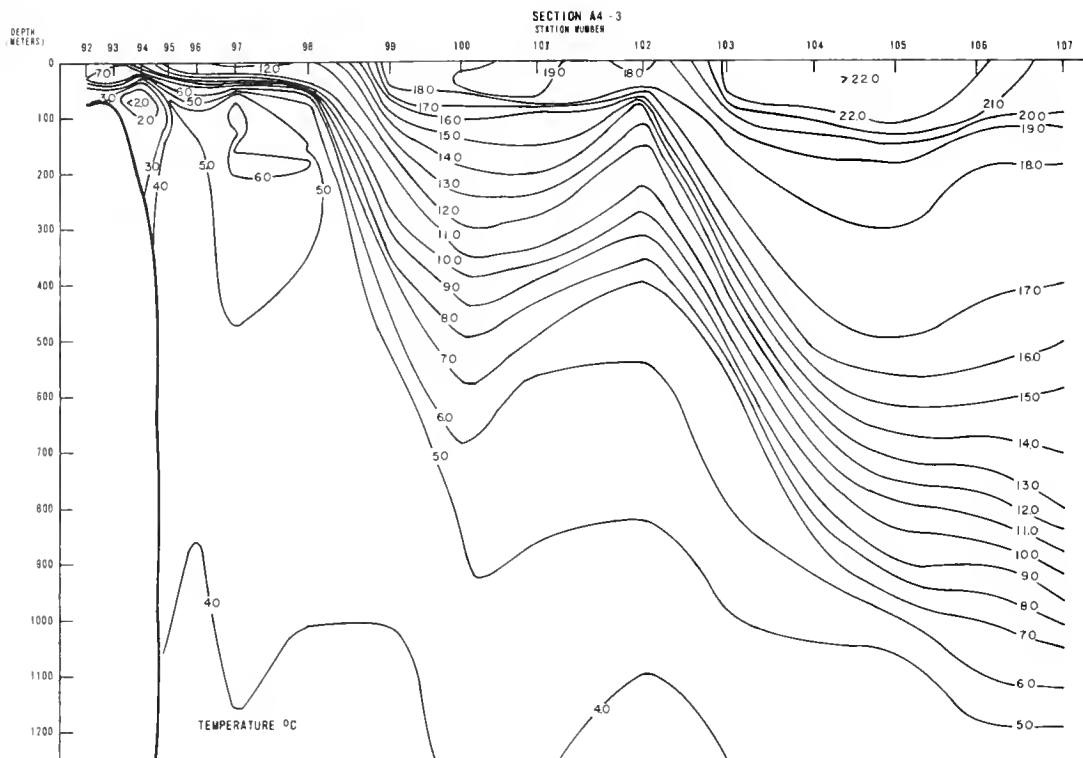


FIGURE 59. Vertical cross section of temperature (°C) on North Atlantic Standard Monitoring Section A4 on 11-13 November 1966, prepared from data of USCGC EVERGREEN.

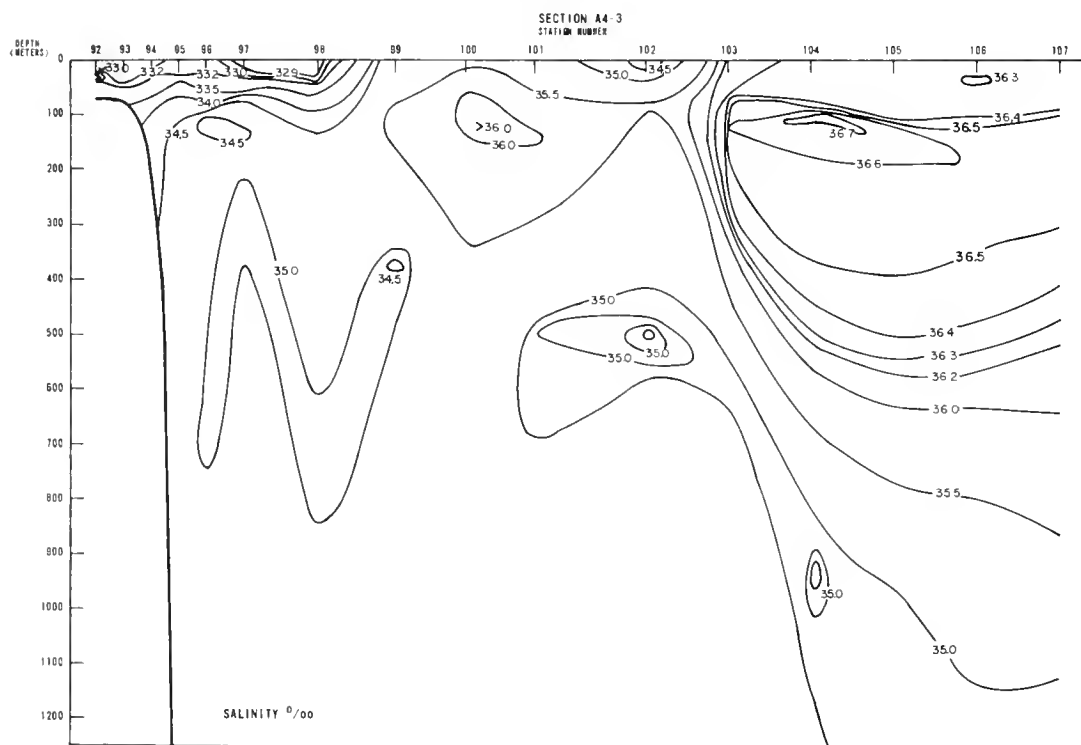


FIGURE 60. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A4 on 11-13 November 1966, prepared from data of USCGC EVERGREEN.

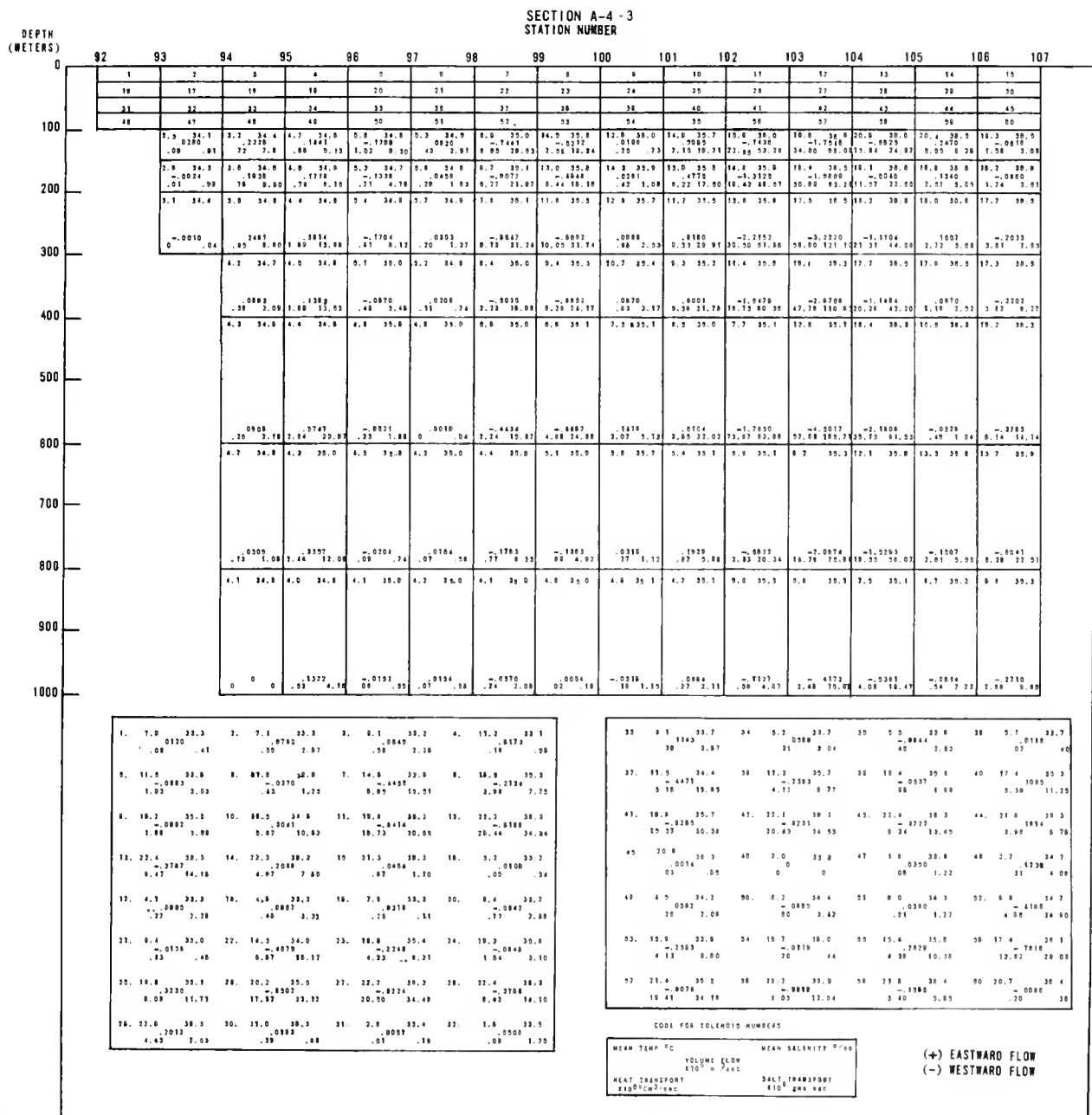


FIGURE 61. Solenoid division of North Atlantic Standard Monitoring Section A4 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 11-13 November 1966.

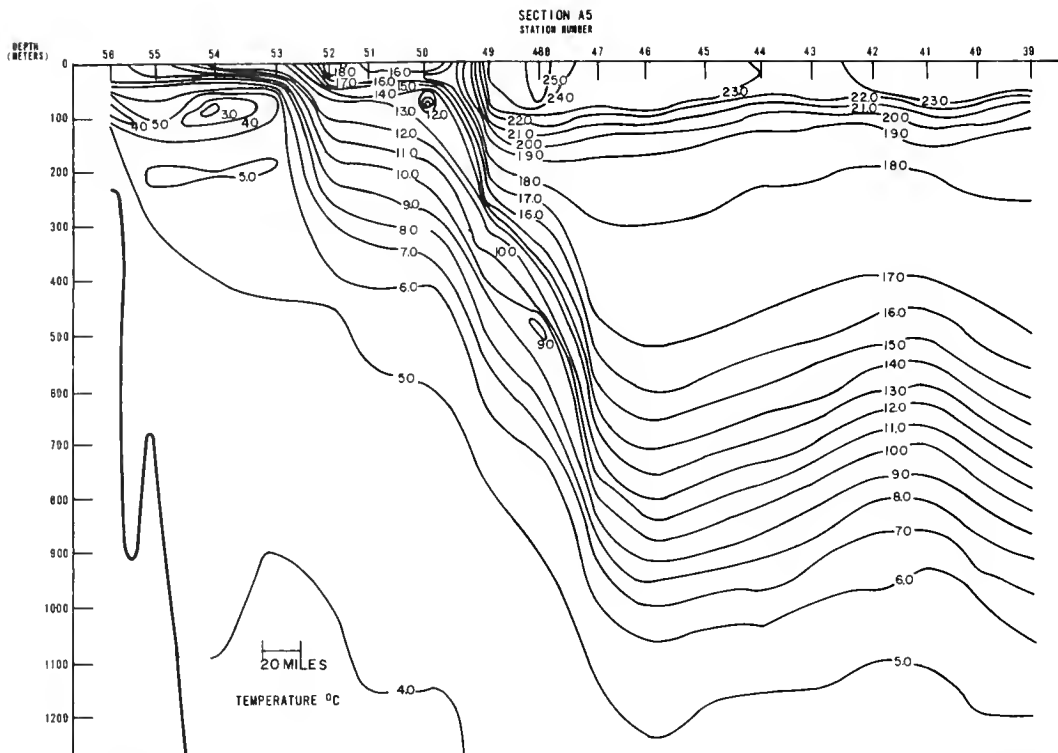


FIGURE 62. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A5 on 1-3 November 1966, prepared from data of USCGC EVERGREEN.

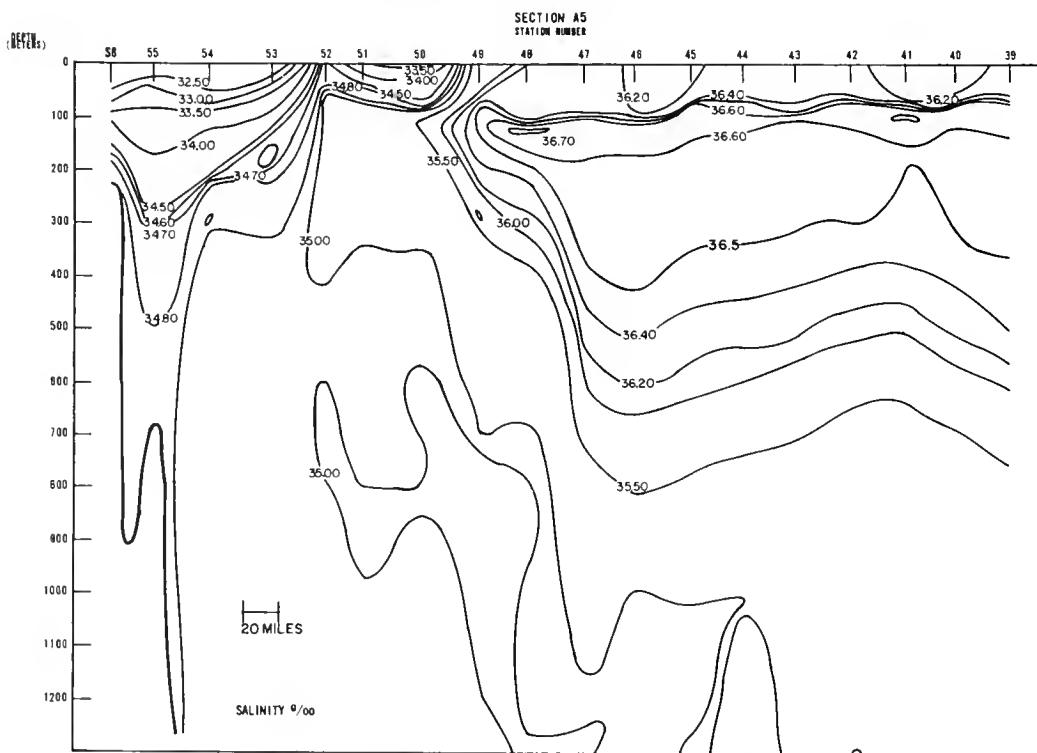
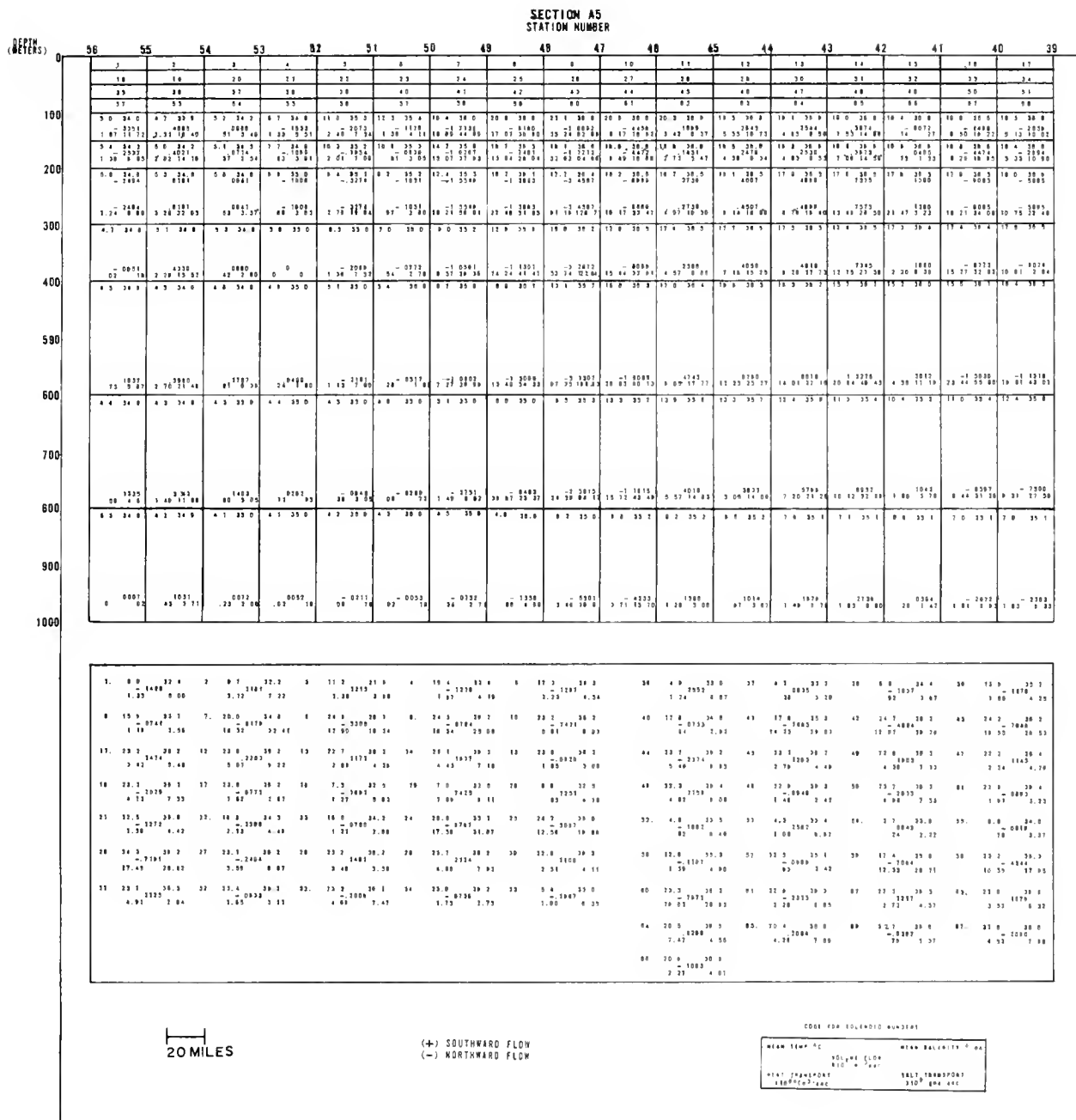


FIGURE 63. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A5 on 1-3 November 1966, prepared from data of USCGC EVERGREEN.



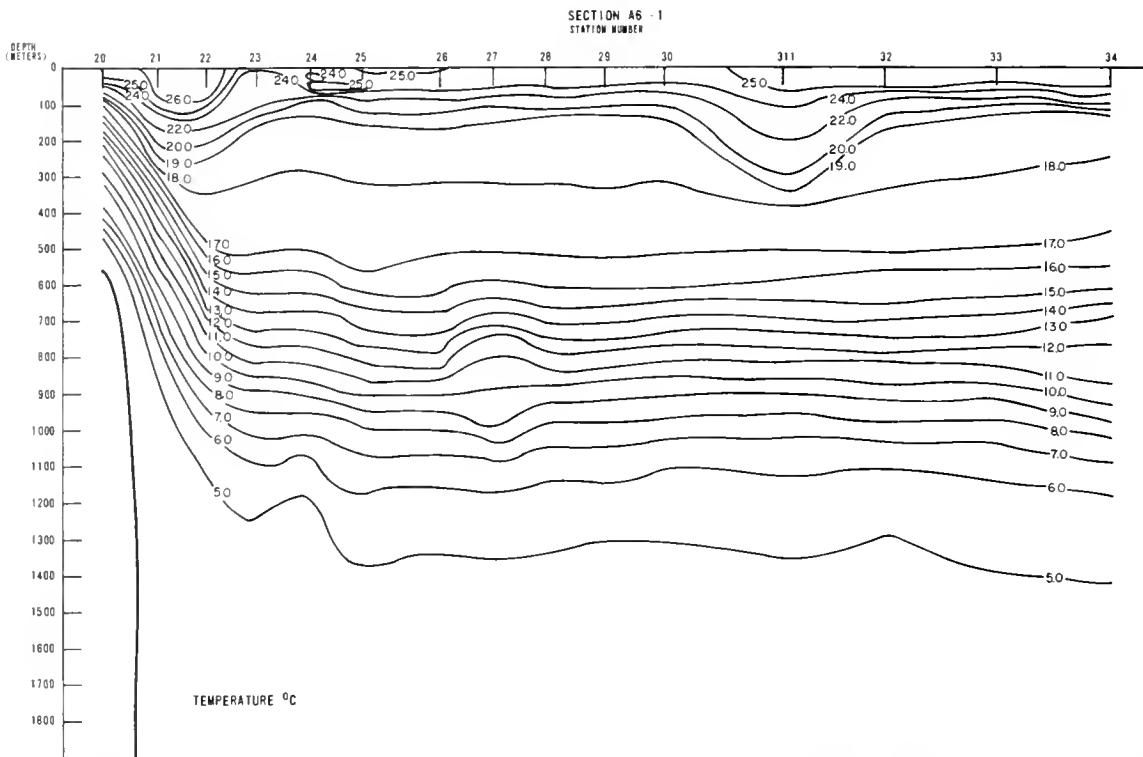


FIGURE 65. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A6 on 25-28 October 1966, prepared from data of USCGC EVERGREEN.

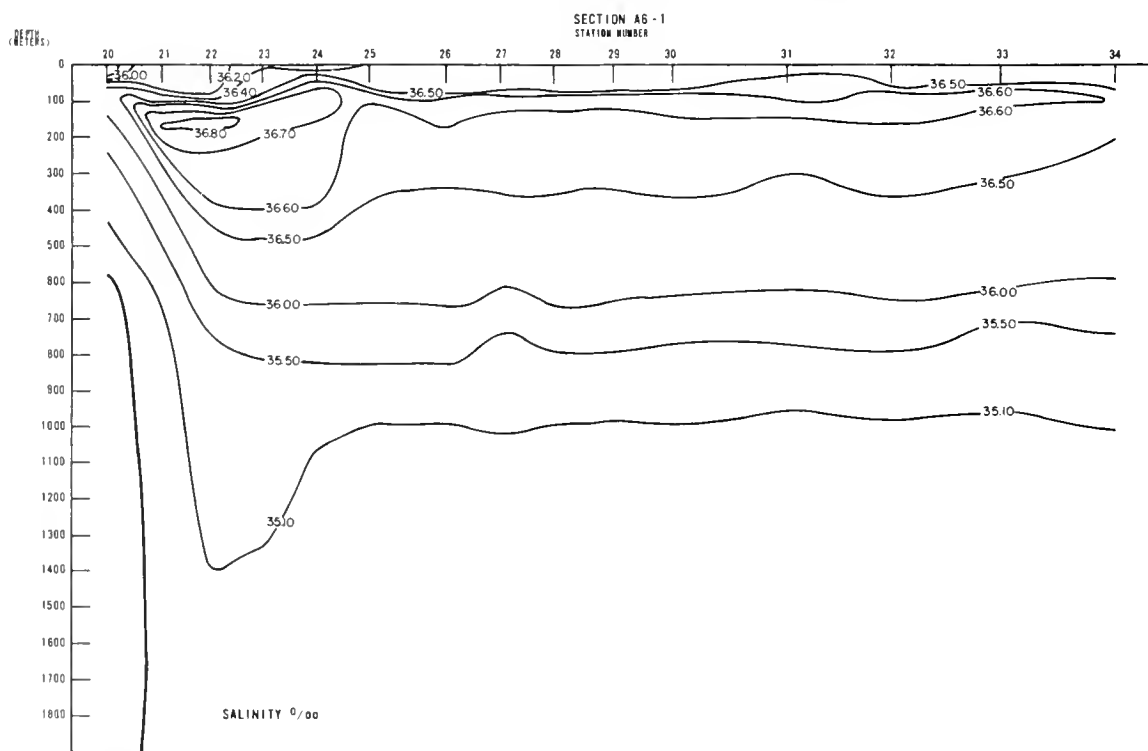
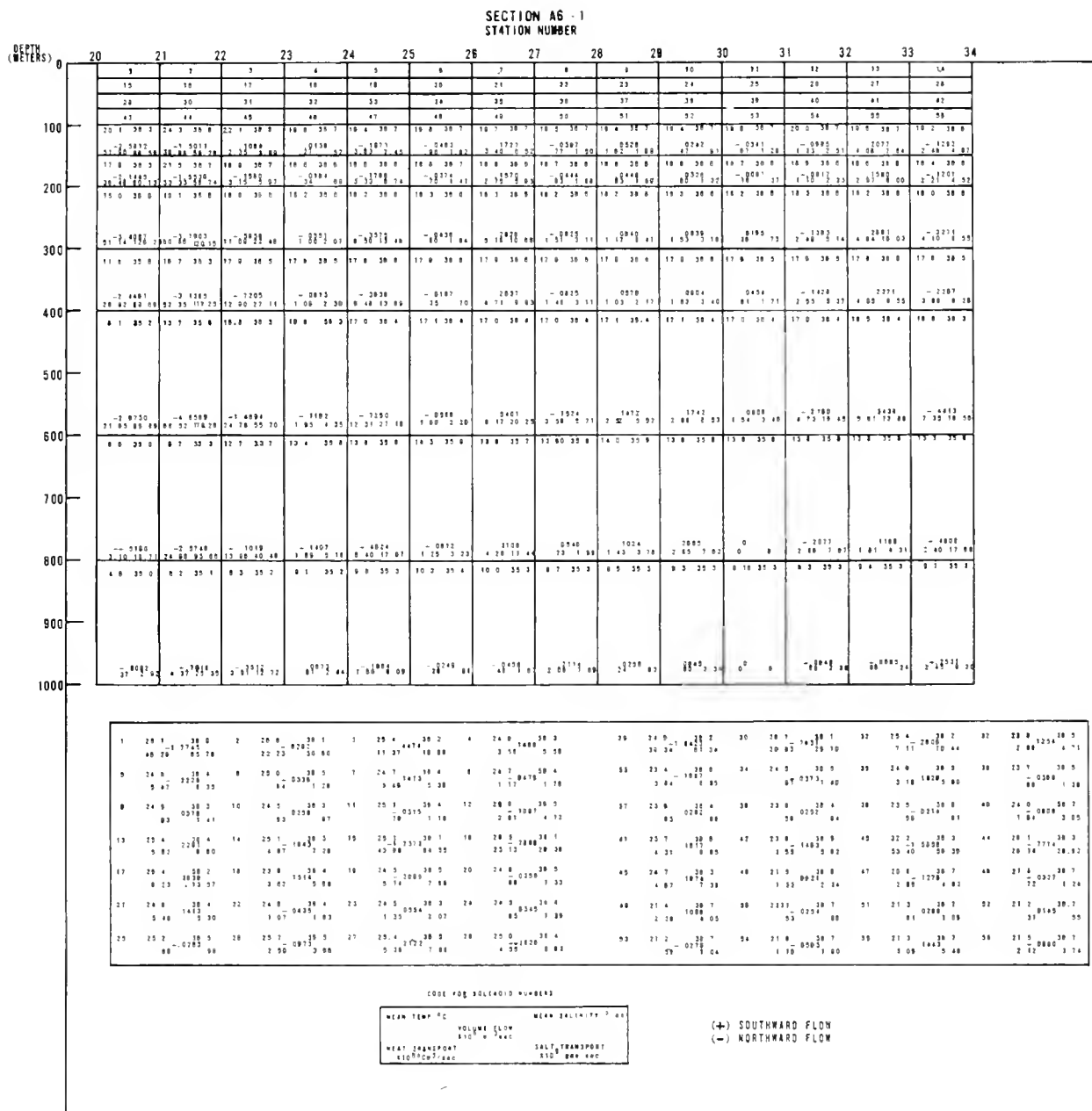


FIGURE 66. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A6 on 25-28 October 1966, prepared from data of USCGC EVERGREEN.



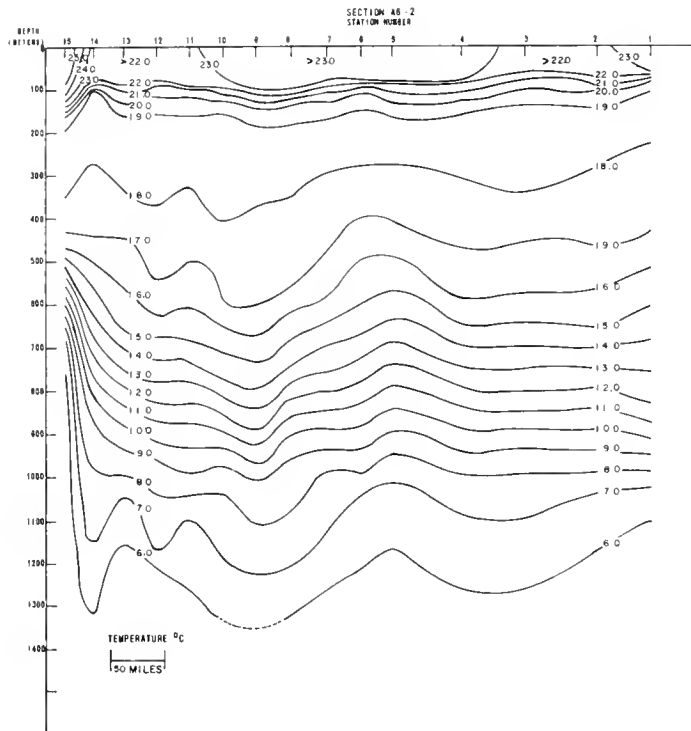


FIGURE 68. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A6 on 19-22 November 1966, prepared from data of USCGC ROCKAWAY.

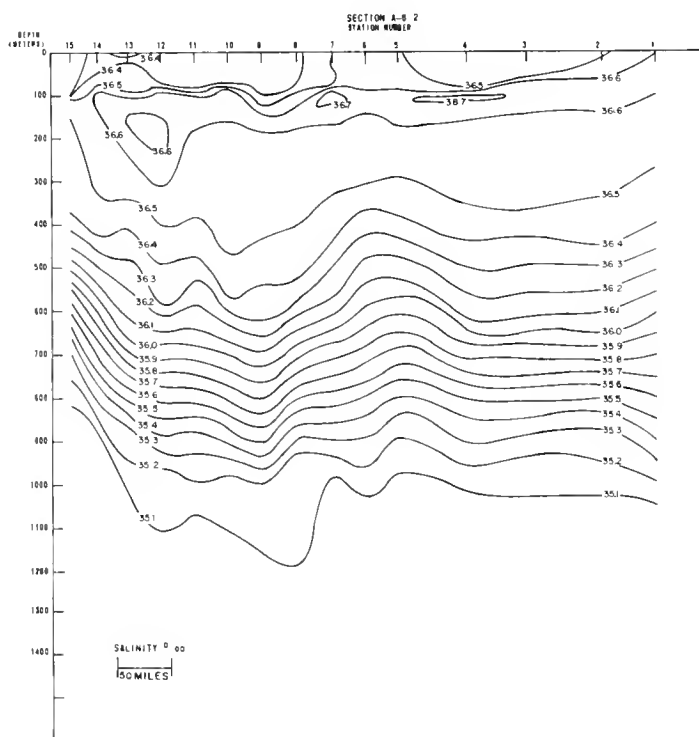


FIGURE 69. Vertical cross section of salinity (‰) in North Atlantic Standard Monitoring Section A6 on 19-22 November 1966, prepared from data of USCGC ROCKAWAY.

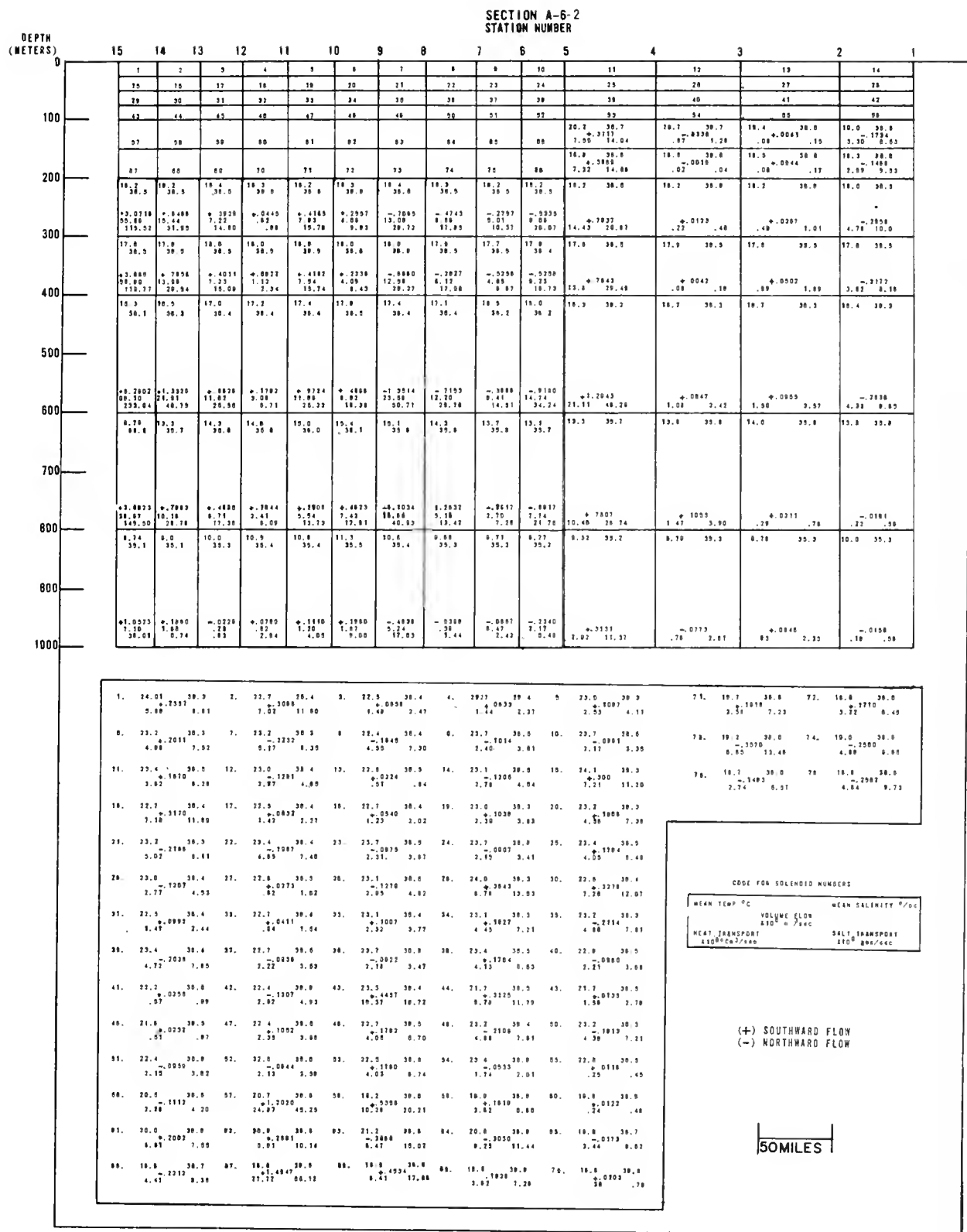


TABLE 1

Cruise No.	Ship	Date	No. of stations	NODC No.	U.S. Coast Guard Publication No.
<i>Section 1</i>					
A1-1	USCGC EVERGREEN	07/25-07/26/65	12	31-549	373-12
A1-2	USCGC EVERGREEN	06/06-06/07/66	12	31-8001	373-13
<i>Section 2</i>					
A2-1	USCGC HUMBOLDT	03/11-03/12/66	14	31-702	
A2-2	USCGC EVERGREEN	04/07-04/08/66	10	31-8001	373-13
A2-3	USCGC EVERGREEN	05/26-05/27/66	11	31-8001	373-13
A2-4	USCGC EVERGREEN	11/06-11/07/66	13	31-8007	
<i>Section 3</i>					
A3-1	USCGC MENDOTA	11/23-11/24/64	7	31-223	
A3-2	USCGC INGHAM	01/28-01/29/65	7	31-223	
A3-3	USCGC DUANE	02/14-02/15/66	11	31-792	
A3-4	USCGC HUMBOLDT	03/09-03/10/66	11	31-702	
A3-5	USCGC EVERGREEN	04/04-04/05/66	9	31-8001	373-13
A3-6	USCGC EVERGREEN	04/16-04/17/66	6	31-8001	373-13
A3-7	USCGC EVERGREEN	04/18-04/19/66	6	31-8001	373-13
A3-8	USCGC EVERGREEN	04/21/66	4	31-8001	373-13
A3-9	USCGC EVERGREEN	05/25-05/26/66	11	31-8001	373-13
A3-10	USCGC EVERGREEN	11/09-11/11/66	17	31-8007	
<i>Section 4</i>					
A4-1	USCGC EVERGREEN	04/02-04/03/66	7	31-8001	373-13
A4-2	USCGC EVERGREEN	05/22-05/24/66	16	31-8001	373-13
A4-3	USCGC EVERGREEN	11/11-11/13/66	16	31-8007	
<i>Section 5</i>					
A5-1	USCGC EVERGREEN	11/01-11/03/66	18	31-8007	
<i>Section 6</i>					
A6-1	USCGC EVERGREEN	10/25-10/28/66	15	31-8007	
A6-2	USCGC ROCKAWAY	11/19-11/22/66	15	31-1061	

TABLE 2.—List of standard depths (meters) for electronically obtained serial data

0000	0100	0400	1000	1750	6000
0010	0125	0500	1100	2000	7000
0020	0150	0600	1200	2500	8000
0030	0200	0700	1300	3000	9000
0050	0250	0800	1400	4000	
0075	0300	0900	1500	5000	

Explanation of Oceanographic Station Data

Description of Entries, Units, and Codes on NODC Station Listing

1. Surface Observations

Entry

Description of Field

NODC REF. ID. NO.-----	NODC reference identity number.
COUNTRY CODE.-----	Indicates nationality of the institute or agency conducting the survey or expedition.
CRUISE NUMBER.-----	A reference number assigned by NODC for storage-retrieval purposes. NODC Publication C-1, <i>Reference Sources of Oceanographic Station Data</i> , gives complete bibliographic and other pertinent information for each cruise.
SHIP CODE.-----	Alphabetic representation of ship's name (or ICES numeric ship code).
LATITUDE.-----	Degrees, minutes, and tenths of minutes, N. or S.
LONGITUDE.-----	Degrees, minutes, and tenths of minutes, E. or W.
DRIFT INDICATOR.-----	The letter D appears in this column if extensive drift occurred while on station.
MARSDEN SQUARE:	
10°.-----	Marsden square number according to the Marsden square system.
1°.-----	The 1° square number according to the Marsden square system.
STATION TIME:	
(GMT).-----	Date and time given by the originator (GMT).
MONTH.-----	Month (GMT).
DAY.-----	Day (GMT).
HR. 1/10.-----	GMT to nearest tenth of an hour.
YEAR.-----	Year.
ORIGINATOR'S	
CRUISE NUMBER.	Alphabetic or alpha-numeric designator as assigned by the originator. If the year of the cruise forms part of the cruise numbering system, the year digits are found in preceding field.
STATION NUMBER.-----	Originator's station number or designator.
DEPTH TO BOTTOM.-----	Corrected or uncorrected sounding depth in meters.
MAX. DEPTH OF	
SAMPLES.	Depth of deepest sample in hundreds of meters to nearest hundred-meter interval.
WAVE OBSERVATIONS:	
DIR.-----	Direction from which the dominant waves are coming, in tens of degrees, according to WMO Code 0885.
HGT.-----	Height of dominant waves according to WMO Code 1555.
PER.-----	Period of dominant waves according to WMO Code 3155.
SEA AMT.-----	Sea amount (sea state) according to WMO Code 3700 (preceded by the letter A).
WEATHER CODE.-----	If preceded by the letter X, weather according to WMO Code 4501. A numeric two-digit entry indicates weather according to WMO Code 4677.
*INSTR./CLOUD.-----	This field is used either for recording instrument code when electronically obtained data are being reported, or for reporting cloud type and cloud amount when conventional Nansen cast data are being reported.
*INSTR.-----	A two character code representing instrument package of system.
TYPE.-----	Cloud type according to WMO Code 0500.
AMT.-----	Cloud amount according to WMO Code 2700.
NODC STATION	
NUMBER.	Assigned by NODC for data storage and retrieval purposes. The NODC Reference Identity and Station number combined, uniquely define each station in the NODC archives.
*DT/*S ^U / _D .-----	This indicator specifies that the reported data have been obtained electronically rather than by Nansen-type casts. U (up) and D (down) are cast indicators for electronically obtained serial data and specify that the data were taken while hoisting or lowering respectively.
WATER COLOR.-----	Water color according to Forel-Ule Code.
TRANS. (m).-----	Water transparency in meters as determined by Secchi disc.
WIND:	
DIR.-----	Direction from which wind is blowing in tens of degrees, according to WMO Code 0877.
SPEED OR FORCE.-----	If preceded by letter S, wind speed in knots; if preceded by letter F, wind force in Beaufort code.
BAROMETER (mbs).-----	Barometric pressure in millibars; tens, units, and tenths places only.

AIR TEMPERATURE °C:

DRY BULB-----	Dry bulb air temperature in degrees centigrade, to tenths.
WET BULB-----	Wet bulb air temperature in degrees centigrade, to tenths.
VIS CODE-----	Visibility according to WMO Code 4300.
NUMBER OBS, LEVEL----	The number of observed levels associated with the station.
SPECIAL OBSERVA- TIONS.	Entries in this space vary with individual cruises or stations. Information concerning entries in this field can be requested from the NODC.

2. A complete description of the codes can be found in NODC publication M-2 (Rev. August 1964),
"Processing Physical and Chemical Data from Oceanographic Stations."

TABLE I. Observed and interpolated oceanographic data taken by USCGC MENDOTA, 23-24 November 1964, and USCGC INGHAM, 28-29 January 1965, on North Atlantic Standard Monitoring Section 3; prepared from NODC listing No. 31-223.

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH FATHOMS	MARSDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10'	1"	MO	OAY		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		TYPE	AMT	
31	223	ME	4444 N	04933 W		149	49	11	23	205	1964	LC1 001	0052	00	31	2		X1	8	5	0001
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. IMI	DIR.	SPEED OR FORCE	IMBSI	DRY BULB	WET BULB									
									29	519	250	011	-006	7	03						
MESSENGER TIME HR. 1/10		CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{dl/l}$	TOTAL-P $\mu\text{g} - \text{dl/l}$	NO ₂ -N $\mu\text{g} - \text{dl/l}$	NO ₃ -N $\mu\text{g} - \text{dl/l}$	SiO ₄ -Si $\mu\text{g} - \text{dl/l}$	pH	S C C		
		STD	0000	0479	3283	2601		0020104		0000	14673										
205		OBS	0000	0479	32834	2601					14673										
		STD	0010	0479	3284	2601		0020063		0020	14674										
		STD	0020	0478	3285	2602		0020015		0040	14676										
205		OBS	0025	0478	32850	2602					14676										
		STD	0030	0462	3287	2605		0019684		0060	14671										
		STD	0050	0347	3304	2630		0017330		0097	14628										
205		OBS	0050	0347	33038	2630					14628										

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH FATHOMS	MARSDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10'	1"	MO	OAY		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		TYPE	AMT	
31	223	ME	44385N	04922 W		149	49	11	23	220	1964	LC1 002	0055	01	30	2		X1	7	4	0002
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. IMI	DIR.	SPEED OR FORCE	IMBSI	DRY BULB	WET BULB									
									30	514	260	017	-006	7	03						
MESSENGER TIME HR. 1/10		CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{dl/l}$	TOTAL-P $\mu\text{g} - \text{dl/l}$	NO ₂ -N $\mu\text{g} - \text{dl/l}$	NO ₃ -N $\mu\text{g} - \text{dl/l}$	SiO ₄ -Si $\mu\text{g} - \text{dl/l}$	pH	S C C		
		STD	0000	0482	3283	2600		0020187		0000	14674										
		OBS	0000	0482	32827	2600					14674										
		STD	0010	0480	3283	2600		0020180		0020	14675										
		STD	0020	0479	3283	2600		0020179		0040	14676										
220		OBS	0025	0478	32826	2600					14676										
		STD	0030	0455	3286	2605		0019688		0060	14668										
		STD	0050	0286	3312	2642		0016186		0096	14673										
224		OBS	0054	0238	33189	2652					14583										

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH FATHOMS	MARSDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10'	1"	MO	OAY		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		TYPE	AMT	
31	223	ME	44325N	04855 W		149	48	11	24	019	1964	LC1 003	0344	03	28	2		X1	7	4	0003
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. IMI	DIR.	SPEED OR FORCE	IMBSI	DRY BULB	WET BULB									
									26	508	260	017	-011	7	08						
MESSENGER TIME HR. 1/10		CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{dl/l}$	TOTAL-P $\mu\text{g} - \text{dl/l}$	NO ₂ -N $\mu\text{g} - \text{dl/l}$	NO ₃ -N $\mu\text{g} - \text{dl/l}$	SiO ₄ -Si $\mu\text{g} - \text{dl/l}$	pH	S C C		
		STD	0000			3343															
		OBS	0000			33430															
		STD	0010			3343															
		STD	0020			3343															
019		OBS	0025			33433															
		STD	0030			3359															
019		OBS	0044	0124	33934	2720					14542										
		STD	0050	0128	3398	2723		0008504			14545										
019		OBS	0068	0141	33400	26760															
		STD	0075	0146	3414	2735		0007417			14559										
019		OBS	0091	0157	34216	2740					14568										
		STD	0100	0162	3423	2741		0006854			14572										
		STD	0125	0174	3426	2742		0006722			14582										
019		OBS	0139	0181	34276	2743					14587										
		STD	0150	0186	3428	2743		0006670			14591										
019		OBS	0188	0202	34303	2743					14605										
		STD	0200	0207	3432	2744		0006552			14609										
		STD	0250	0224	3442	2751		0005960			14626										
019		OBS	0288	0234	34528	2759					14638										

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS DEN SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY		HR.1/10	CRUISE NO.			STATION NUMBER	DIR.	HGT	PER		SEA	TYPE		AMT
31	223	ME	4431 N	04841 W	149	48	11	24	047	1964	LC1	004	2195	11	28	2			x1	7	4	0004	
						WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS									
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	BARO-METER (mbal)	DRY BULB	WET BULB	VIS. CODE										
								26		508	280	011	-011	7	1c								
MESSAGE TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t °	Σ Δ σ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - ml/l	TOTAL-P μg - ml/l	NO ₃ -N μg - ml/l	NO ₃ -N μg - ml/l	SiO ₄ -Si μg - ml/l	pH	S C						
		STD	0000	0446	3415	2709	0009842	0000	14677														
	047	OBS	0000	0446	34154	2709			14677														
		STD	0010	0453	3416	2709	0009865	0010	14681														
		STD	0020	0460	3417	2709	0009880	0020	14686														
	047	OBS	0024	0462	34174	2709			14687														
		STD	0030	0469	3420	2710	0009768	0030	14692														
	047	OBS	0049	0473	34323	2719			14698														
		STD	0050	0471	3433	2720	0008835	0048	14697														
	047	OBS	0074	0435	34529	2740			14689														
		STD	0075	0434	3454	2741	0006894	0068	14689														
	047	OBS	0098	0409	34664	2753			14684														
		STD	0100	0407	3467	2754	0005665	0084	14684														
		STD	0125	0392	3473	2760	0005087	0097	14682														
	047	OBS	0147	0382	34766	2764			14682														
		STD	0150	0382	3477	2764	0004709	0109	14683														
	047	OBS	0197	0376	34815	2769			14688														
		STD	0200	0375	3482	2769	0004309	0132	14689														
		STD	0250	0366	3482	2770	0004263	0153	14693														
	047	OBS	T0297	0364	34843	2772			14700														
		STD	0300	0365	3485	2772	0004073	0174	14701														
		STD	0400	0383	3491	2776	0003880	0214	14726														
	047	OBS	0400	0383	34913	2776			14726														
		STD	0500	0373	3490	2776	0003942	0253	14738														
		STD	0600	0364	3489	2776	0003942	0293	14751														
	047	OBS	0606	0363	34893	2776			14752														
		STD	0700	0360	3489	2776	0004046	0333	14766														
		STD	0800	0357	3489	2777	0004105	0374	14781														
	053	OBS	T0897	0354	34892	2777			14796														
		STD	0900	0354	3489	2777	0004154	0415	14797														
		STD	1000	0351	3489	2777	0004202	0457	14812														
		STD	1100	0349	3489	2777	0004259	0499	14828														
	053	OBS	1122	0348	34892	2777			14831														

TABLE I.—Continued

REFERENCE	SHIP	LATITUDE	LONGITUDE	DATE	MARS DEN		STATION TIME		YEAR	ORIGINATOR'S		DEPTH	MAX. DEPTH	WAVE			WEA-	CLOUD	NODC				
					10"	1'	MO	DAY						DIR	HGT	PER		TYPE					
31	223	ME	4423 N	04757 W	149	47	11	24	088	1964	LC1	005	3383	12	28	2		X1	515	0005			
					WATER		WIND		BARO-	AIR TEMP. °C		VIS.	NO.										
					COLOR	TRANS.	DIR.	SPEED		DRY	WET												
					CODE	IMT		OR FORCE	METER	BULB	BULB	CODE	DEPTHS	SPECIAL OBSERVATIONS									
							30	505	280	011	-017	7	13										
MISSING	CARD	CARD	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME		S Δ D	SOUND		O ₂ ml/l	PO ₄ -P	TOTAL-P	NO ₂ -N	NO ₃ -N	SiO ₄ -Si	pH	S				
HR 1/10	NO.	TYPE					AND MALT-X10 ³	X10 ³		VELOCITY													
		STD	0000	0740	3337	2610	0019208	0000	14785														
	088	OBS	0000	0740	33367	2610			14785														
		STD	0010	0740	3337	2610	0019228	0019	14787														
		STD	0020	0741	3337	2610	0019256	0038	14788														
	088	OBS	0024	0741	33366	2610			14789														
		STD	0030	0741	3337	2610	0019277	0058	14790														
	088	OBS	0049	0742	33364	2609			14794														
		STD	0050	0729	3341	2615	0018816	0096	14789														
	088	OBS	0074	0560	34189	2698			14736														
		STD	0075	0567	3421	2699	0010844	0133	14739														
	088	OBS	0098	0687	34567	2712			14796														
		STD	0100	0688	3458	2713	0009628	0158	14796														
		STD	0125	0694	3469	2720	0008935	0182	14805														
	088	OBS	0148	0700	34760	2725			14812														
		STD	0150	0695	3476	2726	0008468	0203	14810														
	088	OBS	0198	0599	34764	2739			14780														
		STD	0200	0595	3476	2739	0007215	0243	14779														
		STD	0250	0520	3477	2749	0006294	0276	14756														
	088	OBS	T0297	0479	34783	2755			14747														
		STD	0300	0479	3479	2755	0005759	0307	14748														
	088	OBS	0398	0485	34935	2766			14769														
		STD	0400	0485	3494	2767	0004818	0359	14769														
		STD	0500	0465	3496	2771	0004550	0406	14778														
		STD	0600	0445	3497	2774	0004352	0451	14786														
	088	OBS	0601	0445	34972	2774			14786														
		STD	0700	0431	3497	2775	0004288	0494	14797														
		STD	0800	0417	3497	2777	0004222	0537	14808														
	088	OBS	T0805	0416	34968	2777			14808														
		STD	0900	0399	3495	2777	0004251	0579	14816														
		STD	1000	0384	3494	2778	0004237	0621	14827														
	088	OBS	1010	0383	34938	2778			14828														
		STD	1100	0374	3493	2778	0004278	0664	14839														
		STD	1200	0367	3493	2779	0004279	0707	14853														
	088	OBS	T1215	0366	34928	2779			14855														

TABLE I.—Continued

REFERENCE		SHIP	LATITUDE	LONGITUDE	DRIFT INCHES	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	IO. NO.	CODE	° 1/10	° 1/10		10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER	BOTTOM		DIR.	HGT	PER	SEA		TYPE	AMT	
31	223	ME	4416 N	047205W		149	47	11	24	122	1964	LC1 006	3795	12	28	2		X1	7	7		0006	
						WATER		WIND		AIR TEMP. °C					SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS (m)	DIR.	SPEED OR FORCE	BARO- METER (mbs)	DRY BULB		WET BULB	VIS. CODE	NO. OBS. DEPTHS								
								28	505	300	022	-011	7	13									
MESSAGE TIME HR 1/10	CASST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S CC						
		STD	0000	0718	3349	2623	0018015	0000	14778														
122		OBS	0000	0718	33488	2623			14778														
		STD	0010	0719	3350	2623	0017950	0018	14780														
		STD	0020	0721	3352	2624	0017877	0036	14782														
122		OBS	0023	0721	33519	2625			14783														
		STD	0030	0605	3355	2642	0016174	0053	14739														
122		OBS	0047	0456	33759	2676			14683														
		STD	0050	0469	3386	2683	0012340	0081	14690														
122		OBS	0070	0557	34376	2713			14737														
		STD	0075	0589	3446	2716	0009239	0108	14752														
122		OBS	0092	0660	34691	2725			14786														
		STD	0100	0641	3470	2728	0008130	0130	14780														
		STD	0125	0587	3473	2738	0007266	0149	14763														
122		OBS	0138	0562	34738	2741			14755														
		STD	0150	0540	3473	2744	0006734	0167	14748														
122		OBS	0185	0492	34722	2749			14734														
		STD	0200	0490	3475	2751	0006067	0199	14736														
		STD	0250	0480	3482	2758	0005487	0228	14741														
122		OBS	T0276	0473	34849	2761			14742														
		STD	0300	0463	3486	2763	0005052	0254	14742														
122		OBS	0369	0439	34891	2768			14744														
		STD	0400	0433	3490	2769	0004523	0302	14747														
		STD	0500	0414	3491	2772	0004337	0346	14756														
122		OBS	0553	0405	34919	2774			14761														
		STD	0600	0398	3492	2774	0004202	0389	14766														
		STD	0700	0385	3491	2775	0004170	0431	14777														
122		OBS	T0744	0380	34912	2776			14782														
		STD	0800	0375	3491	2776	0004176	0473	14789														
		STD	0900	0367	3491	2777	0004171	0514	14802														
122		OBS	0945	0365	34909	2777			14809														
		STD	1000	0363	3491	2777	0004209	0556	14817														
		STD	1100	0361	3492	2778	0004196	0598	14833														
122		OBS	T1154	0361	34924	2779			14842														

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	OBS. INDIC.	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CRUISE CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT		
31	223	ME	44085N	046415W		149	46	11	24	157	1964	LC1	007	3840	13	29	2			X1	8	3	0007	
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB												
								31	505	280	028	000	17	13										
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	Si O ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S C						
		STD	0000	0828	3330	2592	0020942		0000	14818														
157		OBS	0000	0828	33297	2592				14818														
		STD	0010	0815	3329	2593	0020804		0021	14814														
		STD	0020	0799	3329	2595	0020625		0042	14810														
157		OBS	0026	0788	33287	2597				14807														
		STD	0030	0778	3329	2599	0020345		0062	14803														
		STD	0050	0729	3340	2614	0018894		0101	14789														
157		OBS	0053	0722	33433	2618				14787														
		STD	0075	0461	3385	2683	0012355		0140	14691														
157		OBS	0079	0443	33927	2691				14685														
		STD	0100	0529	3438	2717	0009161		0167	14730														
157		OBS	0104	0540	34439	2721				14736														
		STD	0125	0536	3451	2727	0008300		0189	14739														
		STD	0150	0527	3458	2733	0007703		0209	14740														
157		OBS	0157	0524	34593	2735				14740														
		STD	0200	0495	3466	2743	0006796		0245	14736														
157		OBS	0210	0490	34673	2745				14736														
		STD	0250	0484	3476	2752	0005981		0277	14741														
		STD	0300	0477	3484	2760	0005361		0306	14748														
157		OBS	T0315	0475	34860	2761				14750														
		STD	0400	0466	3493	2768	0004675		0356	14761														
157		OBS	0422	0462	34945	2770				14763														
		STD	0500	0431	3493	2772	0004380		0401	14763														
		STD	0600	0401	3492	2774	0004213		0444	14767														
157		OBS	0634	0394	34913	2774				14770														
		STD	0700	0389	3492	2775	0004208		0486	14778														
		STD	0800	0383	3492	2776	0004208		0528	14793														
157		OBS	T0848	0380	34920	2776				14799														
		STD	0900	0378	3492	2777	0004217		0570	14807														
		STD	1000	0374	3492	2777	0004243		0613	14822														
157		OBS	1064	0370	34924	2778				14831														
		STD	1100	0368	3492	2778	0004280		0655	14836														
		STD	1200	0361	3492	2778	0004279		0698	14850														
157		OBS	T1280	0354	34913	2779				14860														

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH METER	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER																																			
CTRY CODE	IO. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT																																				
31	223	IN	4408 N	04638 W	149	46	01	28	164	1965	LC2	001	3860	12	14	2				X2	5	8	0032																																			
<table><tr><td colspan="2">WATER</td><td colspan="2">WIND</td><td colspan="2">BARO- METER</td><td colspan="2">AIR TEMP. °C</td><td colspan="2">NO. OBS. DEPTHS</td><td colspan="2">SPECIAL OBSERVATIONS</td></tr><tr><td>COLOR CODE</td><td>TRANS. (m)</td><td>DIR.</td><td>SPEED OR FORCE</td><td></td><td></td><td>DRY BULB</td><td>WET BULB</td><td>VIS. CODE</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td>16</td><td>515</td><td>030</td><td>106</td><td>100</td><td>6</td><td>13</td><td></td><td></td></tr></table>																							WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE			DRY BULB	WET BULB	VIS. CODE							16	515	030	106	100	6	13		
WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS																																																
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE			DRY BULB	WET BULB	VIS. CODE																																																		
			16	515	030	106	100	6	13																																																	
MESSINGER TIME HR. 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME AND HALT-10 ³	Σ Δ D DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	SiO ₄ -Si μg - dl/l	pH	S CC																																									
		STD	0000	0640	3375	2654	0015036	0000	14750																																																	
164		OBS	0000	0640	33754	2654			14750																																																	
		STD	0010	0638	3375	2654	0015048	0015	14751																																																	
		STD	0020	0635	3375	2654	0015031	0030	14752																																																	
164		OBS	0024	0634	33749	2654			14752																																																	
		STD	0030	0634	3375	2655	0015013	0045	14753																																																	
164		OBS	0046	0635	33765	2655			14756																																																	
		STD	0050	0636	3402	2667	0013835	0074	14784																																																	
164		OBS	0069	0633	34728	2703			14850																																																	
		STD	0075	0779	3467	2707	0010170	0104	14829																																																	
164		OBS	0091	0672	34562	2713			14789																																																	
		STD	0100	0671	3461	2717	0009182	0128	14790																																																	
		STD	0125	0667	3472	2726	0008352	0150	14794																																																	
164		OBS	0137	0665	34758	2730			14796																																																	
		STD	0150	0642	3478	2735	0007621	0170	14789																																																	
164		OBS	0184	0595	34831	2745			14777																																																	
		STD	0200	0595	3487	2748	0006425	0205	14780																																																	
		STD	0250	0584	3496	2756	0005686	0235	14785																																																	
164		OBS	0278	0569	34980	2760			14784																																																	
		STD	0300	0544	3497	2762	0005184	0263	14777																																																	
164		OBS	0373	0477	34933	2767			14761																																																	
		STD	0400	0468	3494	2769	0004624	0312	14762																																																	
		STD	0500	0457	3494	2772	0004374	0357	14766																																																	
164		OBS	10571	0419	34941	2774			14770																																																	
		STD	0600	0413	3494	2775	0004201	0400	14772																																																	
		STD	0700	0396	3493	2776	0004177	0441	14782																																																	
164		OBS	0777	0365	34926	2776			14790																																																	
		STD	0800	0383	3492	2776	0004193	0483	14793																																																	
		STD	0900	0376	3490	2775	0004349	0526	14806																																																	
164		OBS	0992	0370	34885	2775			14819																																																	
		STD	1000	0370	3489	2775	0004476	0570	14820																																																	
		STD	1100	0365	3488	2775	0004509	0615	14835																																																	
		STD	1200	0362	3488	2775	0004564	0660	14850																																																	
164		OBS	11210	0362	34883	2775			14852																																																	

TABLE I.—Continued

REFERENCE	SHIP	LATITUDE	LONGITUDE	DATE	MARSDEN	STATION	TIME	YEAR	ORIGINATOR'S	DEPTH	MAX. DEPTH	WAVE	WEA-	CLOUD	NOOC							
CTRY	NO.	1/10	1/10	MO	DAY	HR.	1/10	CRUISE	STATION	TO	OF	DIP	HT	PER	SEA	TYPE	AMT	STATION				
31	223	IN	4415 N	047165W	149	47	01 28	223	1965	LC2	002	3705	13	09	2	X8	716	0033				
		WATER		WIND		BARO-		AIR TEMP. °C		VIE.	NO.	SPECIAL										
		COLOR	TRANS.	DIR.	SPEED	METER	DRY	WET	CODE													
		CODE	(m)		OF	(mb)	BULB	BULB														
				16	S23	000	100	100	6	13												
MESSAGE	CARD	CARD	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME	Δ ρ	Δ ρ	SOUND	O ₂ ml/l	PO ₄ -P	TOTAL-P	NO ₂ -N	NO ₃ -N	SiO ₄ -Si	pH	S				
TIME	NO.	TYPE					ANOMALY-σ _t	10 ³	10 ³	VELOCITY		μg - at/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l		C				
HR	1/10																					
		STD	0000	0620	3388	2666	0013879	0000	14744													
223		OBS	0000	0620	33876	2666			14744													
		STD	0010	0650	3390	2664	0014077	0014	14758													
		STD	0020	0679	3404	2671	0013420	0028	14773													
223		OBS	0021	0682	34067	2673			14775													
		STD	0030	0833	3444	2680	0012573	0041	14839													
223		OBS	0039	0928	34684	2685			14880													
		STD	0050	0932	3470	2685	0012181	0065	14885													
223		OBS	0059	0934	34728	2687			14886													
		STD	0075	0929	3479	2693	0011513	0095	14887													
223		OBS	0079		34809																	
		STD	0100	0920	3493	2705	0010395	0122	14890													
223		OBS	0121		34987																	
		STD	0125	0912	3498	2710	0009943	0148	14892													
		STD	0150	0903	3495	2709	0010083	0173	14892													
223		OBS	0165	0898	34931	2709			14892													
		STD	0200	0769	3468	2725	0008688	0220	14849													
		STD	0250	0639	3481	2737	0007536	0460	14805													
223		OBS	0258	0624	34794	2738			14800													
		STD	0300	0605	3489	2748	0006543	0296	14801													
223		OBS	0358	0575	34981	2759			14799													
		STD	0400	0541	3498	2763	0005202	0354	14793													
		STD	0500	0474	3497	2770	0004583	0403	14781													
223		OBS	T0574	0436	34962	2774			14778													
		STD	0600	0428	3456	2775	0004232	0447	14775													
		STD	0700	0403	3495	2776	0004146	0469	14785													
		STD	0800	0386	3493	2777	0004147	0531	14794													
223		OBS	0806	0385	34930	2777			14795													
		STD	0900	0383	3493	2777	0004194	0572	14809													
		STD	1000	0380	3494	2778	0004226	0615	14825													
223		OBS	1045	0378	34936	2778			14832													
		STD	1100	0376	3494	2778	0004256	0657	14840													
		STD	1200	0371	3494	2779	0004276	0700	14855													
223		OBS	T1292	0366	34937	2779			14868													

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	MARS SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	IO. NO.					10"	1"	MO	DAY	HR./10	CRUISE NO.	STATION NUMBER	DIR.		HGT	PER	SEA	TYPE	AMT			
31	223	IN	44225N	047575W	149	47	01	29	023	1965	LC2	003	3318	15	31	2			AS	7	6	0034
WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS													
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB																
		31	515	040	028	028	7	13														
MESSENGER TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta \sigma$ OYN. W. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{dl/l}$	TOTAL-P $\mu\text{g} - \text{dl/l}$	NO ₂ -N $\mu\text{g} - \text{dl/l}$	NO ₃ -N $\mu\text{g} - \text{dl/l}$	SiO ₄ -Si $\mu\text{g} - \text{dl/l}$	pH	S C					
		STD	0000	0606	3390	2670	0013508	0000	14739													
023		OBS	0000	0606	3390.3	2670			14739													
		STD	0010	0607	3391	2670	0013515	0014	14741													
		STD	0020	0609	3391	2670	0013523	0027	14743													
023		OBS	0029	0610	3391.1	2670			14745													
		STD	0030	0624	3394	2671	0013490	0041	14751													
023		OBS	0046	0808	3436.3	2678			14832													
		STD	0050	0830	3440	2678	0012863	0067	14841													
		STD	0075	0945	3466	2680	0012732	0099	14892													
023		OBS	0084	0975	3476.0	2683			14905													
		STD	0100	0941	3500	2707	0010207	0128	14899													
023		OBS	0113		3513.9																	
		STD	0125	0891	3514	2726	0008477	0151	14886													
		STD	0150	0843	3513	2733	0007853	0171	14872													
023		OBS	0169		3512.0																	
		STD	0200	0754	3503	2734	0007362	0209	14845													
023		OBS	0226	0712	3497.5	2740			14832													
		STD	0250	0676	3498	2745	0006772	0245	14822													
		STD	0300	0607	3497	2754	0005945	0276	14803													
023		OBS	0339	0558	3497.3	2761			14789													
		STD	0400	0487	3494	2766	0004846	0330	14770													
023		OBS	0456	0436	3491.2	2770			14758													
		STD	0500	0423	3491	2771	0004416	0377	14759													
		STD	0600	0399	3492	2774	0004220	0420	14766													
023		OBS	T0697	0384	3491.9	2776			14770													
		STD	0700	0384	3492	2776	0004114	0462	14776													
		STD	0800	0383	3493	2777	0004122	0503	14793													
		STD	0900	0383	3494	2778	0004129	0544	14809													
023		OBS	0960	0382	3494.3	2778			14819													
		STD	1000	0379	3494	2778	0004170	0586	14825													
		STD	1100	0371	3494	2779	0004190	0627	14838													
		STD	1200	0365	3493	2779	0004239	0669	14852													
023		OBS	1221	0364	3493.1	2779			14855													
		STD	1300	0360	3493	2780	0004254	0712	14867													
		STD	1400	0357	3494	2780	0004276	0755	14882													
023		OBS	T1484	0355	3493.8	2780			14896													

TABLE I.—Continued

REFERENCE	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS DEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER						
					10"	1"	MO DAY HR. 1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT							
31	223	IN	4432 N	04840 W	149	48	01 29 071	1965	LC2	004	2320	10	24	2			X1	8	2	0035						
					WATER		WIND		AIR TEMP. °C		BARO- METER (mba)		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS									
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS												
								27	515	080	022	017	7	13												
MESSAGE TIME OF HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S C									
		STD	0000	0284	3366	2686	0012041	0000	14601																	
	071	OBS	0000	0284	3366	2686			14601																	
		STD	0010	0264	3366	2687	0011906	0012	14594																	
	071	OBS	0019		33658																					
		STD	0020	0244	3366	2689	0011752	0024	14587																	
		STD	0030	0224	3370	2693	0011299	0035	14560																	
	071	OBS	0037		33727																					
		STD	0050	0184	3380	2705	0010253	0057	14567																	
	071	OBS	0055		33833																					
	071	OBS	0071	0142	33936	2718			14554																	
		STD	0075	0151	3396	2720	0008815	0081	14559																	
		STD	0100	0213	3412	2728	0008066	0102	14593																	
	071	OBS	0107	0232	34174	2731			14603																	
		STD	0125	0293	3433	2738	0007158	0121	14635																	
	071	OBS	0142	0339	34456	2744			14659																	
		STD	0150	0349	3449	2745	0006488	0138	14665																	
		STD	0200	0402	3469	2756	0005560	0168	14698																	
	071	OBS	0216	0416	34745	2759			14707																	
		STD	0250	0444	3483	2763	0005010	0194	14726																	
	071	OBS	0291	0466	34903	2766			14743																	
		STD	0300	0463	3491	2767	0004679	0219	14743																	
		STD	0400	0436	3493	2771	0004333	0264	14749																	
	071	OBS	T0447	0427	34939	2773			14753																	
		STD	0500	0425	3493	2773	0004305	0307	14761																	
		STD	0600	0414	3492	2773	0004398	0350	14772																	
	071	OBS	0620	0410	34912	2773			14774																	
		STD	0700	0386	3490	2774	0004283	0394	14777																	
		STD	0800	0356	3489	2777	0004104	0436	14781																	
	071	OBS	0802	0355	34887	2776			14781																	
		STD	0900	0353	3489	2777	0004162	0477	14796																	
	071	OBS	T0990	0352	34892	2777			14811																	

REFERENCE	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS DEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER						
					10"	1"	MO DAY HR. 1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT							
31	223	IN	44357 N	048593 W	149	48	01 29 093	1965	LC2	005	0284	02	22	2			X1	8	2	0036						
					WATER		WIND		AIR TEMP. °C		BARO- METER (mba)		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS									
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS												
								27	514	110	017	011	7	08												
MESSAGE TIME OF HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S C									
		STD	0000	0019	3316	2664	0014109	0000	14476																	
	093	OBS	0000	0019	33163	2664			14476																	
		STD	0010	0009	3326	2672	0013319	0014	14475																	
		STD	0020	0003	3334	2679	0012678	0027	14475																	
	093	OBS	0025	0001	33377	2682			14475																	
		STD	0030	0002	3340	2684	0012213	0039	14477																	
		STD	0050	0006	3347	2689	0011678	0063	14483																	
	093	OBS	0050	0006	33472	2689			14483																	
		STD	0075	0007	3349	2690	0011555	0092	14488																	
	093	OBS	0075	0007	33486	2690			14488																	
		STD	0100	0011	3352	2692	0011364	0121	14494																	
	093	OBS	0100	0011	33515	2692			14494																	
		STD	0125	0016	3356	2696	0011042	0149	14501																	
		STD	0150	0029	3363	2701	0010575	0176	14512																	
	093	OBS	0151	0030	33632	2701			14513																	
		STD	0200	0078	3385	2716	0009188	0225	14545																	
	093	OBS	0201	0079	33852	2716			14546																	
	093	OBS	T0232	0101	33995	2726			14563																	

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH INCHES	MARS DEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CRUISE CODE	ID. NO.					10°	1°	MO	DAY		HR. 1/10	CRUISE NO.			STATION NUMBER	DIR.	HGT		PER	SEA	
31	223	IN	44365N	04908 W		149	49	01	29	109	1965	LC2 006	0159	00	23	2		X1	8	2	0037
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	(mba)	DRY BULB	WET BULB									
									26	S15	120	022	017	7	03						
MESSENGER TIME OF HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$		SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g - dl/l$	TOTAL-P $\mu g - dl/l$	NO ₂ -N $\mu g - dl/l$	NO ₃ -N $\mu g - dl/l$	SiO ₄ -Si $\mu g - dl/l$	pH	S CTC		
		STD	0000	0074	3314	2659	0014580		0000		14501										
109		OBS	0000	0074	33138	2659					14501										
		STD	0010	0065	3314	2660	0014493		0015		14498										
		STD	0020	0060	3315	2660	0014426		0029		14498										
109		OBS	0025	0059	33150	2661					14498										
		STD	0030	0061	3315	2660	0014414		0043		14500										
		STD	0050	0068	3314	2659	0014566		0072		14506										
109		OBS	0050	0068	33135	2659					14506										

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH INCHES	MARS DEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CRUISE CODE	ID. NO.					10°	1°	MO	DAY		HR. 1/10	CRUISE NO.			STATION NUMBER	DIR.	HGT		PER	SEA	
31	223	IN	44405N	04921 W		149	49	01	29	123	1965	LC2 007	0055	00	22	2		X1	8	2	0038
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	(mba)	DRY BULB	WET BULB									
									26	S16	130	028	022	7	03						
MESSENGER TIME OF HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$		SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g - dl/l$	TOTAL-P $\mu g - dl/l$	NO ₂ -N $\mu g - dl/l$	NO ₃ -N $\mu g - dl/l$	SiO ₄ -Si $\mu g - dl/l$	pH	S CTC		
		STD	0000	0065	3314	2659	0014510		0000		14497										
123		OBS	0000	0065	33140	2659					14497										
		STD	0010	0065	3313	2658	0014607		0015		14498										
		STD	0020	0064	3312	2658	0014684		0029		14499										
123		OBS	0025	0063	33111	2657					14500										
		STD	0030	0062	3311	2658	0014695		0044		14500										
		STD	0050	0058	3312	2659	0014595		0073		14502										
123		OBS	0050	0058	33124	2659					14502										

TABLE II. Observed and interpolated oceanographic data taken by USCGC DUANE on North Atlantic Standard Monitoring Section 3, 14-15 February 1966; prepared from NODC listing No. 31-792.

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS DEN SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10	CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT	
31	792	DU	44406N	049185W	149	49	02	14	010	1966	026		0064	00	33			5	X1	6	2	0001
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS						
						COLOR CODE	TRANS. IMT	DIR.	SPEED OR FORCE	METER (mbars)	DRY BULB	WET BULB										
								32	535	215	007	006						7	04			
MESSNGR TIME HR. 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C					
		STD	0000	0122	3354	2688	0011801	0000	14528													
	010	OBS	0000	0122	33540	2688			14528													
		STD	0010	0127	3354	2688	0011803	0012	14532													
	010	OBS	0010	0127	33544	2688			14532													
		STD	0020	0128	3354	2688	0011821	0024	14534													
	010	OBS	0024	0129	33543	2688			14535													
		STD	0030	0135	3358	2690	0011583	0035	14539													
	010	OBS	0049	0172	33844	2709			14563													

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS DEN SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10	CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT	
31	792	DU	44367N	049057W	149	49	02	14	035	1966	027		0091	01	32			5	X1	6	2	0002
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS						
						COLOR CODE	TRANS. IMT	DIR.	SPEED OR FORCE	METER (mbars)	DRY BULB	WET BULB										
								32	517	215	011	000						7	05			
MESSNGR TIME HR. 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C					
		STD	0000	0116	3349	2685	0012114	0000	14525													
	035	OBS	0000	0116	33494	2685			14525													
		STD	0010	0118	3351	2686	0012028	0012	14527													
	035	OBS	0010	0118	33507	2686			14527													
		STD	0020	0119	3351	2686	0012041	0024	14529													
	035	OBS	0024	0119	33506	2686			14530													
		STD	0030	0120	3351	2686	0012020	0036	14532													
	035	OBS	0049	0126	33542	2688			14538													
		STD	0050	0127	3355	2688	0011789	0060	14538													
	035	OBS	0073	0138	33631	2694			14548													

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH FATHOMS	MARS DEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10	CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA	TYPE	AMT		
31	792	DJ	44322N	048488W	149	48	02	14	097	1966	028	028	1536	06	29			4	X1	6	1	0003
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS						
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	DRY BULB	WET BULB									
								29	514	217	011	000	8	11								
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ D DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	Si O ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S C					
		STD	0000	0134	3354	2687	0011861	0000	14533													
097		OBS	0000	0134	33542	2687			14533													
097		OBS	0007	0135	33546	2688			14535													
		STD	0010	0142	3356	2688	0011777	0012	14539													
097		OBS	0018	0170	33641	2693			14554													
		STD	0020	0187	3370	2696	0011023	0023	14562													
		STD	0030	0260	3396	2711	0009615	0034	14600													
097		OBS	0037	0301	34107	2719			14620													
		STD	0050	0357	3430	2729	0007913	0051	14649													
097		OBS	0055	0368	34338	2731			14655													
097		OBS	0072	0360	34351	2733			14655													
		STD	0075	0361	3437	2735	0007445	0070	14656													
		STD	0100	0365	3447	2742	0006767	0088	14663													
097		OBS	0100	0365	34468	2742			14663													
		STD	0125	0364	3452	2746	0006383	0104	14667													
		STD	0150	0362	3456	2750	0006089	0120	14671													
097		OBS	T0152	0362	34567	2750			14672													
		STD	0200	0401	3468	2755	0005625	0149	14698													
		STD	0250	0431	3477	2759	0005317	0177	14720													
		STD	0300	0450	3483	2762	0005130	0203	14737													
097		OBS	T0307	0452	34840	2762			14739													
		STD	0400	0443	3485	2764	0005008	0254	14750													
097		OBS	0464	0435	34857	2766			14758													
		STD	0500	0429	3486	2766	0004916	0303	14761													
097		OBS	0598	0411	34849	2768			14770													

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH FATHOMS	MARS DEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10	CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA	TYPE	AMT		
31	792	DU	44294N	048357W	149	48	02	14	132	1966	029	029	2651	09	34			4	X1	6	6	0004
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS						
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	DRY BULB	WET BULB									
								28	514	235	033	022	7	11								
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ D DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	Si O ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S C					
		STD	0000	0468	3431	2719	0008870	0000	14688													
132		OBS	0000	0468	34314	2719			14688													
		STD	0010	0468	3431	2719	0008880	0009	14689													
132		OBS	0010	0468	34314	2719			14689													
		STD	0020	0466	3431	2719	0008872	0018	14690													
132		OBS	0027	0465	34313	2719			14691													
		STD	0030	0451	3431	2721	0008752	0027	14686													
		STD	0050	0380	3431	2728	0008057	0043	14659													
132		OBS	0052	0375	34306	2728			14657													
		STD	0075	0344	3432	2732	0007686	0063	14648													
132		OBS	0079	0338	34318	2733			14646													
		STD	0100	0433	3454	2741	0006909	0081	14693													
132		OBS	0105	0450	34587	2743			14701													
		STD	0125	0477	3465	2745	0006584	0098	14717													
		STD	0150	0500	3473	2748	0006271	0114	14731													
132		OBS	0159	0505	34753	2750			14735													
		STD	0200	0509	3484	2756	0005609	0144	14745													
132		OBS	0203	0509	34850	2757			14745													
		STD	0250	0499	3487	2759	0005332	0171	14749													
		STD	0300	0488	3489	2762	0005114	0197	14753													
		STD	0400	0467	3492	2767	0004761	0247	14761													
132		OBS	T0425	0462	34924	2768			14763													
		STD	0500	0443	3492	2770	0004592	0294	14768													
		STD	0600	0423	3492	2772	0004464	0339	14776													
132		OBS	0641	0416	34918	2773			14780													
		STD	0700	0408	3492	2773	0004412	0383	14786													
		STD	0800	0400	3491	2774	0004436	0427	14800													
132		OBS	T0858	0398	34913	2774			14808													

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH INCH	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEATHER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT	
31	792	DU	44265N	048170W	149	48	02	14	159	1966		030		3292	13	34			4	X1	6	7	0005
						WATER		WIND		BARO-METER		AIR TEMP. °C		VIL CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
						COLOR CODE		TRANS. (m)	DIR.	SPEED OR FORCE	Imbal	DRY BULB	WET BULB										
								24	S20		215	067	044	7	12								
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY-10 ³		Σ Δ σ OYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	SiO ₄ -Si μg - dl/l	pH	S C				
		STD	0000	0453																			
159		OBS	0000	0453	34710	27520																	
159		OBS	0009	0435	34330	2724						14676											
		STD	0010	0434	3433	2724		0008407				14676											
		STD	0020	0427	3433	2725		0008323				14674											
159		OBS	0025	0422	34334	2726						14673											
		STD	0030	0412	3433	2727		0008181				14670											
		STD	0050	0391	3433	2728		0008037				14664											
159		OBS	0050	0391	34327	2728						14664											
		STD	0075	0405	3449	2740		0006977				14676											
159		OBS	0076	0406	34491	2740						14677											
		STD	0100	0386	3455	2746		0006386				14673											
159		OBS	0100	0386	34546	2746						14673											
		STD	0125	0375	3457	2749		0006115				14673											
159		OBS	0148	0364	34612	2754						14673											
		STD	0150	0367	3462	2754		0005686				14674											
159		OBS	0197	0426	34762	2759						14709											
		STD	0200	0426	3476	2759		0005258				14709											
		STD	0250	0425	3479	2762		0005073				14717											
		STD	0300	0423	3483	2764		0004870				14725											
159		OBS	T0395	0417	34883	2770						14739											
		STD	0400	0416	3488	2770		0004461				14740											
		STD	0500	0399	3489	2772		0004341				14749											
		STD	0600	0386	3489	2773		0004268				14760											
159		OBS	T0650	0380	34892	2774						14766											
		STD	0700	0377	3489	2775		0004243				14773											
		STD	0800	0372	3489	2775		0004267				14788											
		STD	0900	0367	3489	2776		0004289				14802											
		STD	1000	0363	3490	2776		0004320				14817											
159		OBS	T1044	0361	34895	2776						14824											
		STD	1100	0359	3490	2777		0004319				14832											
		STD	1200	0355	3491	2778		0004280				14847											
159		OBS	1251	0353	34912	2779						14855											

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	MARS DEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10°	1°	MO DAY HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
31	792	DU	44248N	047555W	149	47	02	14	205	1966	032	3840	14	32			4	X2	5	8	0006
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTH	SPECIAL OBSERVATIONS									
		COLOR CODE	TRANS. HM	DIR.	SPEED OR FORCE	METER (mbars)		DRY BULB	WET BULB												
						17	518	159	078	056	7	13									
MESSAGE TIME HR. 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta D$ OBS. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g - at/l$	TOTAL-P $\mu g - at/l$	NO ₂ -N $\mu g - at/l$	NO ₃ -N $\mu g - at/l$	SiO ₄ -Si $\mu g - at/l$	pH	S C				
		STD	0000	0558	3429	2706	0010053	0000	14724												
205		OBS	0000	0558	34289	2706			14724												
		STD	0010	0521	3430	2712	0009577	0010	14711												
205		OBS	0011	0517	34299	2712			14710												
		STD	0020	0464	3432	2720	0008803	0019	14690												
205		OBS	0029	0423	34334	2725			14674												
		STD	0030	0420	3433	2726	0008254	0028	14673												
		STD	0050	0380	3433	2730	0007884	0044	14659												
205		OBS	0057	0372	34333	2731			14657												
		STD	0075	0375	3436	2733	0007649	0063	14662												
205		OBS	0086	0376	34374	2733			14664												
		STD	0100	0365	3437	2735	0007473	0082	14662												
205		OBS	0115	0361	34373	2735			14663												
		STD	0125	0367	3442	2738	0007168	0100	14667												
		STD	0150	0387	3454	2746	0006486	0117	14682												
205		OBS	0174	0415	34639	2751			14699												
		STD	0200	0467	3475	2754	0005808	0148	14726												
205		OBS	0230	0514	34857	2757			14752												
		STD	0250	0504	3486	2758	0005465	0176	14751												
		STD	0300	0479	3488	2763	0005085	0203	14749												
		STD	0400	0438	3490	2769	0004579	0251	14749												
205		OBS	0466	0417	34905	2771			14751												
		STD	0500	0411	3491	2772	0004333	0296	14754												
		STD	0600	0394	3491	2774	0004231	0338	14764												
		STD	0700	0382	3491	2775	0004173	0380	14775												
205		OBS	0750	0378	34910	2776			14782												
		STD	0800	0376	3492	2777	0004113	0422	14790												
		STD	0900	0373	3492	2777	0004160	0463	14805												
205		OBS	T0946	0371	34921	2777			14812												
		STD	1000	0369	3492	2777	0004236	0505	14820												
		STD	1100	0365	3491	2777	0004347	0548	14835												
		STD	1200	0359	3490	2777	0004424	0592	14849												
205		OBS	T1215	0358	34895	2777			14851												
		STD	1300	0352	3490	2778	0004398	0636	14863												
		STD	1400	0344	3491	2779	0004304	0680	14876												
205		OBS	1435	0341	34921	2780			14881												

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	MARSSEN SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER		
CTRY CODE	ID. NO.					10°	1°	MO	DAY		HR.1/10	CRUISE NO.			STATION NUMBER	DIR.	HGT		PER	SEA		TYPE	AMT
31	792	DU	44203N	047340W	149 47	02	14	231	1966		033		3884	13	16			4	X6	5	8		0007
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mb)		DRY BULB	WET BULB														
				16	S28	112		078	072	6	13												
MESSNGR TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ D DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₂ -Si μg - at/l	pH	S CODE						
		STD	0000	0589	3426	2700	0010627	0000	14737														
	231	OBS	0000	0589	34261	2700			14737														
		STD	0010	0586	3426	2701	0010600	0011	14737														
	231	OBS	0011	0586	34262	2701			14737														
		STD	0020	0587	3426	2701	0010622	0021	14739														
	231	OBS	0029	0588	34262	2701			14741														
		STD	0030	0588	3426	2701	0010647	0032	14741														
		STD	0050	0587	3426	2701	0010672	0053	14744														
	231	OBS	0057	0587	34260	2701			14745														
		STD	0075	0588	3427	2701	0010661	0080	14749														
	231	OBS	0085	0590	34273	2701			14751														
		STD	0100	0601	3441	2711	0009792	0105	14760														
		OBS	0112	0602	34504	2718			14763														
		STD	0125	0581	3460	2728	0008163	0128	14758														
		STD	0150	0546	3474	2744	0006730	0146	14750														
	231	OBS	0169	0525	34812	2752			14746														
		STD	0200	0506	3483	2755	0005652	0177	14743														
	231	OBS	T0231	0489	34854	2759			14742														
		STD	0250	0479	3486	2761	0005177	0204	14741														
		STD	0300	0456	3487	2764	0004899	0230	14740														
		STD	0400	0418	3489	2770	0004431	0276	14741														
	231	OBS	T0443	0406	34893	2772			14743														
		STD	0500	0403	3491	2773	0004214	0320	14751														
		STD	0600	0397	3493	2776	0004094	0361	14765														
		STD	0700	0389	3493	2776	0004097	0402	14779														
	231	OBS	0728	0386	34931	2777			14782														
		STD	0800	0378	3492	2777	0004136	0443	14790														
	231	OBS	T0865	0371	34907	2776			14798														
		STD	0900	0369	3491	2777	0004188	0485	14803														
		STD	1000	0361	3492	2778	0004116	0526	14817														
		STD	1100	0354	3492	2779	0004116	0568	14831														
	231	OBS	T1104	0354	34924	2779			14831														
		STD	1200	0349	3493	2780	0004060	0608	14845														
	231	OBS	1279	0346	34933	2781			14857														

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT DIRECTION	MARS DEN SQUARE		STATION TIME IGMT			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE	
31	792	DU	44145N	047098W		149	47	02	15	024	1966	034	4023	09	21			5	X5	6	8	0008
						WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mb)	DRY BULB	WET BULB	VIS. CODE									
								21	529	078	089	089	4	13								
MESSAGE TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₂ -P $\mu g - dl/l$	TOTAL-P $\mu g - dl/l$	NO ₃ -N $\mu g - dl/l$	NO ₃ -N $\mu g - dl/l$	SiO ₂ -Si $\mu g - dl/l$	pH	S C					
		STD	0000	0576	3415	2693	0011326	0000	14730													
024		OBS	0000	0576	34147	2693			14730													
024		OBS	0004	0573	34154	2694			14729													
		STD	0010	0575	3415	2694	0011282	0011	14731													
024		OBS	0015	0576	34152	2693			14732													
		STD	0020	0575	3417	2695	0011167	0023	14733													
		STD	0030	0573	3420	2698	0010929	0034	14734													
024		OBS	0033	0572	34207	2698			14734													
		STD	0050	0575	3421	2698	0010941	0055	14738													
024		OBS	0052	0575	34205	2698			14739													
024		OBS	0070	0580	34235	2700			14744													
		STD	0075	0580	3424	2700	0010784	0083	14745													
		STD	0100	0577	3425	2701	0010677	0109	14748													
024		OBS	0103	0577	34255	2701			14749													
		STD	0125	0560	3460	2731	0007910	0133	14750													
024		OBS	T0147	0543	34834	2751			14750													
		STD	0150	0540	3484	2752	0005913	0150	14749													
		STD	0200	0496	3495	2766	0004641	0176	14741													
024		OBS	0208	0490	34964	2768			14740													
		STD	0250	0474	3496	2770	0004344	0199	14740													
		STD	0300	0459	3496	2772	0004231	0220	14742													
		STD	0400	0438	3497	2774	0004095	0262	14750													
024		OBS	T0457	0432	34965	2775			14757													
		STD	0500	0432	3498	2776	0004024	0302	14764													
024		OBS	T0561	0433	34994	2777			14775													
		STD	0600	0429	3499	2777	0003984	0342	14780													
		STD	0700	0418	3500	2778	0003949	0382	14792													
024		OBS	T0743	0413	34995	2779			14797													
		STD	0800	0405	3499	2779	0003931	0422	14803													
024		OBS	0893	0391	34986	2781			14812													

TABLE II.—Continued

MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	Si O ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	ST CODE
		STD	0000	0706	3399	2664	0014091	0000	14780								
059		OBS	0000	0706	33993	2664			14780								
059		OBS	0007	0696	34099	2674			14778								
		STD	0010	0699	3412	2675	0013068	0014	14780								
		STD	0020	0708	3417	2677	0012859	0027	14786								
059		OBS	0020	0708	34166	2677			14786								
		STD	0030	0709	3422	2681	0012485	0039	14789								
059		OBS	0049	0711	34283	2686			14793								
		STD	0050	0711	3428	2686	0012075	0064	14794								
		STD	0075	0715	3429	2686	0012147	0094	14799								
059		OBS	0077	0715	34285	2686			14800								
059		OBS	0081	0716	34399	2694			14802								
		STD	0100	0723	3467	2715	0009431	0121	14811								
059		OBS	0121	0730	34848	2728			14820								
		STD	0125	0719	3485	2729	0008098	0143	14816								
		STD	0150	0654	3485	2738	0007277	0162	14795								
059		OBS	0164	0622	34846	2742			14785								
		STD	0200	0595	3487	2748	0006425	0196	14780								
		STD	0250	0562	3490	2754	0005860	0227	14775								
		STD	0300	0535	3493	2760	0005373	0255	14773								
059		OBS	T0352	0512	34960	2765			14772								
		STD	0400	0508	3498	2767	0004799	0306	14779								
		STD	0500	0493	3502	2772	0004439	0352	14790								
059		OBS	T0567	0480	35031	2774			14796								
		STD	0600	0466	3503	2776	0004154	0395	14795								
		STD	0700	0431	3503	2780	0003843	0435	14798								
		STD	0800	0409	3503	2782	0003682	0473	14805								
059		OBS	0804	0408	35029	2782			14805								
		STD	0900	0409	3501	2781	0003930	0511	14821								
		STD	1000	0410	3500	2780	0004114	0551	14838								
059		OBS	1054	0411	34990	2779			14848								
		STD	1100	0411	3499	2779	0004291	0593	14855								
		STD	1200	0410	3498	2778	0004447	0637	14871								
059		OBS	1269	0408	34974	2778			14882								

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INCHES	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT		
31	792	DU	43481N	045405W		149	35	02	15	100	1966		036	4108	10	26			5	X4	5	8	0010	
						WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
						COLOR CODE	TRANS (m)	DIR.	SPEED OF FORCE			DRY BULB	WET BULB			VIS. CODE								
								27	535	030	072	061	6			12								
MESSAGE TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	SAD DYN. M. $\times 10^3$	SOUND VELOCITY	D ₂ ml/l	PD ₄ -P $\mu\text{g} \cdot \text{ol/l}$	TOTAL-P $\mu\text{g} \cdot \text{ol/l}$	NO ₂ -N $\mu\text{g} \cdot \text{ol/l}$	NO ₃ -N $\mu\text{g} \cdot \text{ol/l}$	SIO ₄ -Si $\mu\text{g} \cdot \text{ol/l}$	pH	S CC							
		STD	0000	0672	3416	2682	0012420	0000	14768															
100		OBS	0000	0672	34158	2682			14768															
100		OBS	0009	0681	34145	2679			14773															
		STD	0010	0682	3415	2680	0012617	0013	14774															
		STD	0020	0687	3419	2682	0012398	0025	14778															
100		OBS	0021	0687	34195	2682			14778															
		STD	0030	0692	3420	2682	0012410	0037	14782															
100		OBS	0041	0696	34206	2682			14785															
		STD	0050	0699	3425	2685	0012160	0062	14788															
100		OBS	0062	0700	34311	2690			14792															
		STD	0075	0700	3435	2693	0011467	0092	14794															
		STD	0100	0679	3441	2700	0010782	0119	14791															
100		OBS	0121	0642	34448	2708			14780															
		STD	0125	0628	3445	2710	0009864	0145	14775															
		STD	0150	0549	3447	2722	0008782	0168	14748															
100		OBS	0161	0520	34487	2727			14738															
		STD	0200	0512	3460	2737	0007439	0209	14743															
		STD	0250	0505	3472	2747	0006521	0244	14750															
		STD	0300	0502	3483	2756	0005725	0275	14758															
100		OBS	T0324	0501	34873	2759			14762															
		STD	0400	0516	3499	2767	0004821	0327	14782															
100		OBS	0400	0517	35059	2772			14799															
		STD	0500	0514	3506	2773	0004421	0373	14799															
		STD	0600	0484	3504	2774	0004335	0417	14803															
100		OBS	T0664	0467	35021	2775			14806															
		STD	0700	0460	3501	2775	0004340	0461	14809															
		STD	0800	0437	3499	2776	0004314	0504	14816															
100		OBS	T0864	0422	34976	2777			14820															
		STD	0900	0413																				
		STD	1000	0386																				
100		OBS	1028	0378	3474P	2762P																		

TABLE III. Observed and interpolated oceanographic data taken by USCGC HUMBOLDT on North Atlantic Standard Monitoring Sections 2 and 3, 9-12 March 1966; prepared from NODC listing No. 31-702.

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH METER	MARSDEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLING	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.						10"	1"	MO DAY HR, 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT PER	SEA		TYPE	AMT	

MESSENGER TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{dl}^{-1}$	TOTAL-P $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₂ -N $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₃ -N $\mu\text{g} \cdot \text{dl}^{-1}$	SiO ₄ -Si $\mu\text{g} \cdot \text{dl}^{-1}$	pH	S C
		STD	0000	0107	3356	2690	0011588	0000	14521								
	092	OBS	0000	0107	33556	2690			14521								
		STD	0010	0103	3356	2691	0011542	0012	14521								
	092	OBS	0010	0103	33559	2691			14521								
		STD	0020	0102	3356	2691	0011530	0023	14521								
	092	OBS	0025	0102	33567	2692			14524								
		STD	0030	0102	3357	2692	0011476	0035	14524								
		STD	0050	0100	3357	2692	0011450	0058	14527								
	092	OBS	0054	0100	33569	2692			14527								

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH METER	MARSDEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLING	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.						10"	1"	MO DAY HR, 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT PER	SEA		TYPE	AMT	

MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{dl/l}$	TOTAL-P $\mu\text{g} \cdot \text{dl/l}$	NO ₂ -N $\mu\text{g} \cdot \text{dl/l}$	NO ₃ -N $\mu\text{g} \cdot \text{dl/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{dl/l}$	pH	S C C
		STD	0000	0149													
	112	OBS	0000	0149													
		STD	0010	0147													
	112	OBS	0010	0147													
		STD	0020	0140													
	112	OBS	0025	0137	33782	2706			14542								
		STD	0030	0135	3379	2707	0009996		14542								
		STD	0050	0135	3382	2710	0009772		14546								
	112	OBS	0050	0135	33819	2710			14546								

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DATE MO DAY HR.1/10	MARSDEN SQUARE	STATION TIME IGMT		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER				
CTRY CODE	ID. NO.						10"	1"		MO	DAY			HR.1/10	CRUISE NO.	STATION NUMBER		DIR.	HGT		PER	SEA	TYPE	AMT
31	702	HU	4434 N	04855 W	149	48	03	09	127	1966	027-A	0192	02	18	2	2		X6	5	8	0003			
				WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS								
				COLOR CODE		TRANS. (m)		DIR.		SPEED OR FORCE		METER (mba)		DRY BULB		WET BULB								
								01		S17		264		022		6		08						
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C C							
		STD	0000	3373																				
		OBS	0000	33732																				
		OBS	0009	33771																				
		STD	0010	3378																				
		STD	0020	3383																				
		OBS	0024	33847																				
		STD	0030	3389																				
		OBS	0048	33971																				
		STD	0050	3397																				
		OBS	0072	34002																				
		STD	0075	3401																				
		OBS	0096	34085																				
		STD	0100	3409																				
		STD	0125	3414																				
		OBS	0145	34179																				
		STD	0150	3421																				
		OBS	0154	34243																				

REFERENCE		SHIP CODE	LATITUDE * 1/10	LONGITUDE * 1/10	DATE MO DAY HR.1/10	MARSDEN SQUARE	STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
C T R Y C O D E	I D. N O.						C R U I S E N O.	S T A T I O N N U M B E R		D I R.	H G T			P E R	S E A	T Y P E		A M T			
31	702	HU	44330N	048500W	149	48	03	09	143	1966	028	0768	07	02			2	X6	5 8	0004	
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	METER (mbars)		DRY BULB		WET BULB											
				02	S17	261		028				05									
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY- σ_{θ}		$\Sigma \Delta D$ DYN. M. $\times 10^3$		SOUND VELOCITY		O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C C
		STD	0000	0107	3358	2692		0011428		0000		14522									
143		OBS	0000	0107	33577	2692						14522									
		STD	0010	0120	3366	2698		0010877		0011		14530									
		STD	0020	0132	3374	2703		0010347		0022		14539									
		STD	0030	0144	3381	2708		0009896		0032		14546									
		STD	0050	0167	3395	2716		0008996		0051		14562									
		STD	0075	0195	3411	2729		0007995		0072		14581									
143		OBS	0091	0212	34200	2734						14592									
		STD	0100	0223	3423	2736		0007313		0091		14599									
		STD	0125	0251	3432	2741		0006674		0109		14616									
		STD	0150	0276	3441	2746		0006422		0126		14632									
		STD	0200	0319	3454	2752		0005867		0156		14661									
		STD	0250	0351	3465	2758		0005388		0184		14684									
143		OBS	T0276	0364	34687	2760						14695									
		STD	0300	0365	3469	2760		0005270		0211		14699									
		STD	0400	0369	3469	2759		0005395		0264		14717									
143		OBS	T0462	0371	34700	2760						14728									
		STD	0500	0373	3471	2761		0005378		0318		14736									
		STD	0600	0382	3472	2760		0005489		0373		14756									
143		OBS	0678	0390	34742	2761						14773									

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPT. INDEX	MARSOEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEATHER CODE	CLOUD CODES		NODC STATION NUMBER		
CTRY CODE	IO. NO.					10"	1"	MO	DAY	HR. 1/10	CRUISE NO.		STATION NUMBER	DIR.			HGT	PER	SEA	TYPE		AMT				
31	702	HU	4430 N	04834 W		149	48	03	09	172	1966		029	2560	07	20			5	X6	5	8	0005			
						WATER		WIND		BARO-METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB														
								08	508	240	056		7	13												
MESSAGE TIME OF HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- $\times 10^3$	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S/C									
		STD	0000	0170	3372	2699	0010778	0000	14552																	
172		OBS	0000	0170	33716	2699			14552																	
172		OBS	0009	0196	33797	2703			14566																	
		STD	0010	0196	3380	2704	0010326	0011	14566																	
		STD	0020	0194	3388	2710	0009712	0021	14568																	
172		OBS	0023	0194	33908	2712			14569																	
		STD	0030	0210	3402	2720	0008771	0030	14579																	
172		OBS	0045	0247	34232	2734			14600																	
		STD	0050	0262	3430	2738	0007074	0046	14606																	
172		OBS	0068	0306	34495	2750			14633																	
		STD	0075	0320	3453	2751	0005859	0062	14641																	
172		OBS	0092	0343	34603	2755			14654																	
		STD	0100	0339	3461	2756	0005449	0076	14654																	
		STD	0125	0326	3465	2760	0005047	0089	14653																	
172		OBS	0140	0318	34666	2762			14652																	
		STD	0150	0341	3468	2761	0004984	0102	14664																	
172		OBS	T0176	0372	34702	2760			14682																	
172		OBS	T0191	0372	34701	2760			14684																	
		STD	0200	0373	3470	2760	0005159	0127	14686																	
		STD	0250	0381	3472	2760	0005173	0153	14698																	
		STD	0300	0390	3474	2761	0005192	0179	14710																	
172		OBS	T0314	0393	34739	2761			14714																	
		STD	0400	0418	3481	2764	0005028	0430	14739																	
172		OBS	T0435	0424	34831	2765			14748																	
		STD	0500	0423	3486	2767	0004812	0479	14759																	
172		OBS	T0576	0422	34877	2769			14771																	
		STD	0600	0420	3488	2769	0004727	0327	14774																	
172		OBS	0693	0406	34880	2771			14784																	

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	MARS DEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CRUISE CODE	ID. NO.					10"	1"	MO DAY HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT		
31	702	HU	4426 N	04821 W	149	48	03 09	202	1966	030		2743	13	18			3	X6	5	8	0006	
		WATER		WIND		BARO- METER		AIR TEMP. °C		NO. DIS- SOLVS		SPECIAL OBSERVATIONS										
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mbs)		DRY BULB	WET BULB	VIS. CODE	NO. DIS- SOLVS											
					29	504	240	078		5	13											
MESSAGE# TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-t	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	SS CC					
		STD	0000	0559	3444	2718	0008942	0000	14727													
	202	OBS	0000	0559	34439	2718			14727													
		STD	0010	0557	3445	2719	0008849	0009	14728													
	202	OBS	0012	0556	34454	2720			14728													
		STD	0020	0548	3447	2722	0008608	0018	14726													
	202	OBS	0029	0543	34491	2724			14726													
		STD	0030	0543	3449	2724	0008394	0026	14726													
		STD	0050	0548	3453	2727	0008192	0043	14732													
	202	OBS	0057	0550	34544	2728			14734													
		STD	0075	0537	3458	2732	0007726	0063	14732													
	202	OBS	0086	0527	34589	2734			14730													
		STD	0100	0508	3458	2736	0007403	0082	14724													
	202	OBS	0115	0497	34577	2737			14722													
		STD	0125	0507	3462	2739	0007144	0100	14729													
		STD	0150	0525	3470	2743	0006783	0117	14741													
	202	OBS	0171	0532	34766	2747			14748													
		STD	0200	0524	3483	2753	0005862	0149	14751													
	202	OBS	10227	0516	34880	2758			14752													
		STD	0250	0500	3488	2760	0005269	0177	14750													
		STD	0300	0470	3488	2764	0004975	0202	14746													
		STD	0400	0422	3488	2769	0004527	0250	14742													
	202	OBS	10450	0404	34884	2771			14743													
		STD	0500	0397	3489	2772	0004297	0294	14748													
		STD	0600	0385	3489	2774	0004257	0337	14760													
	202	OBS	10668	0378	34897	2775			14768													
		STD	0700	0375	3490	2775	0004161	0379	14772													
		STD	0800	0368	3490	2776	0004170	0420	14786													
	202	OBS	10888	0363	34905	2777			14799													
		STD	0900	0363	3491	2777	0004161	0462	14801													
		STD	1000	0361	3491	2777	0004208	0504	14816													
		STD	1100	0359	3491	2778	0004253	0546	14832													
	202	OBS	11130	0358	34910	2778			14837													
		STD	1200	0356	3491	2778	0004277	0589	14848													
		STD	1300	0354	3492	2779	0004305	0632	14864													
	202	OBS	1330	0353	34917	2779			14869													

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	OBS INSTR	MARSOEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLE	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.						MO	DAY	HR, 1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER		SEA	TYPE		AMT
31	702	HU	4425 N	04805 W		149	48	03	09	239	1966	031	3200	12	19			3	X4	5	8	0007
							WATER		WIND		BARO- METER (mb)		AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
							COLOR	TRANS. (m)	DIR.	SPEED OF FORCE	DRY BULB	WET BULB										
									15	508	244	083	1	13								
MESSAGE TIME HR 1/10	CAS T NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-307	Σ Δ σ DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	Σ C					
		STD	0000	0508	3447	2727	0008139	0000	14706													
239		OBS	0000	0508	34469	2727			14706													
		STD	0010	0498	3448	2729	0007965	0008	14704													
239		OBS	0010	0498	34479	2729			14704													
		STD	0020	0498	3449	2730	0007895	0016	14706													
239		OBS	0025	0495	34491	2730			14705													
		STD	0030	0487	3450	2732	0007711	0024	14703													
		STD	0050	0452	3453	2738	0007132	0039	14692													
239		OBS	0052	0449	34533	2738			14691													
		STD	0075	0407	3455	2744	0006565	0056	14678													
239		OBS	0077	0405	34548	2744			14677													
		STD	0100	0398	3459	2748	0006174	0072	14679													
239		OBS	0103	0397	34592	2749			14679													
		STD	0125	0426	3466	2751	0005961	0087	14696													
		STD	0150	0454	3474	2754	0005686	0101	14712													
239		OBS	0154	0458	34754	2755			14715													
		STD	0200	0493	3489	2762	0005055	0128	14739													
239		OBS	T0206	0497	34910	2763			14742													
		STD	0250	0496	3493	2765	0004842	0153	14749													
		STD	0300	0492	3496	2767	0004668	0177	14756													
		STD	0400	0477	3500	2773	0004252	0221	14767													
239		OBS	T0412	0475	35010	2773			14768													
		STD	0500	0443	3499	2775	0004079	0263	14769													
		STD	0600	0416	3497	2776	0004049	0304	14774													
239		OBS	T0616	0413	34961	2776			14775													
		STD	0700	0404	3496	2777	0004046	0344	14785													
		STD	0800	0393	3495	2778	0004087	0385	14797													
239		OBS	T0822	0390	34949	2778			14800													
		STD	0900	0377	3493	2778	0004139	0426	14807													
		STD	1000	0365	3492	2778	0004159	0467	14818													
239		OBS	T1048	0361	34911	2778			14825													
		STD	1100	0358	3491	2778	0004234	0509	14832													
		STD	1200	0356	3491	2778	0004292	0552	14848													
239		OBS	1235	0356	34908	2778			14854													

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° ' 10	LONGITUDE ° ' 10	OBS. INCH	MARSDEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLE'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.						MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT
31	702	HU	4423 N	04754 W	149	47	03	10	040	1966	032		3200	12	19			3	X4	5	8	0008
						WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mb)	DRY BULB	WET BULB	VIS. CODE									
								13	512	230	078		1	13								
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Δ D DYN. M. x 10 ²	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S C					
		STD	0000	0546	3434	2712	0009571	0000	14720													
040		OBS	0000	0546	34335	2712			14720													
		STD	0010	0492	3434	2718	0008935	0009	14700													
040		OBS	0010	0492	34341	2718			14700													
		STD	0020	0419	3434	2726	0008204	0018	14671													
040		OBS	0025	0402	34336	2728			14665													
		STD	0030	0437	3436	2726	0008232	0026	14680													
		STD	0050	0526	3444	2722	0008617	0043	14722													
040		OBS	0052	0530	34442	2722			14724													
		STD	0075	0520	3446	2724	0008452	0064	14723													
040		OBS	0077	0519	34458	2725			14723													
		STD	0100	0515	3446	2725	0008402	0085	14726													
040		OBS	0103	0513	34463	2726			14725													
		STD	0125	0441	3448	2735	0007491	0105	14699													
		STD	0150	0405	3449	2740	0007013	0123	14689													
040		OBS	0155	0404	34497	2740			14689													
		STD	0200	0504	3477	2751	0006077	0156	14742													
040		OBS	T0209	0519	34820	2753			14750													
		STD	0250	0501	3485	2758	0005505	0185	14750													
		STD	0300	0482	3488	2762	0005120	0212	14751													
		STD	0400	0449	3492	2769	0004555	0260	14754													
040		OBS	T0411	0446	34923	2770			14755													
		STD	0500	0427	3492	2772	0004387	0305	14761													
		STD	0600	0409	3492	2774	0004289	0348	14770													
040		OBS	T0615	0407	34922	2774			14772													
		STD	0700	0395	3491	2774	0004314	0391	14781													
		STD	0800	0384	3491	2775	0004279	0434	14793													
040		OBS	T0819	0382	34905	2775			14795													
		STD	0900	0376	3490	2776	0004320	0477	14806													
		STD	1000	0370	3490	2776	0004343	0520	14820													
040		OBS	T1044	0367	34902	2776			14826													
		STD	1100	0363	3490	2777	0004338	0564	14834													
		STD	1200	0357	3491	2778	0004319	0607	14848													
040		OBS	1225	0356	34909	2778			14852													

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	MARS INDIC	MARS SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER		
CTRY CODE	ID. NO.					10°	1°	MO	DAY		HR.1/10	CRUISE NO.			STATION NUMBER	DIR	HGT	PER		SEA	TYPE		AMT	
31	702	HU	44 20 N	047 33 W		149	47	03	10	105	1966		033	3475	10	15			3	X5	2	8		0009
						WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	METER (mba)	DRY BULB	WET BULB	VIS. CODE											
								13	522	213	094							13						
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{dl/l}$	TOTAL-P $\mu\text{g} \cdot \text{dl/l}$	NO ₃ -N $\mu\text{g} \cdot \text{dl/l}$	NO ₂ -N $\mu\text{g} \cdot \text{dl/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{dl/l}$	pH	S CUD							
		STD	0000	0591	3438	2710	0009760	0000	14739															
105		OBS	0000	0591	34380	2710			14739															
105		OBS	0007	0594	34400	2711			14742															
		STD	0010	0597	3440	2710	0009696	0010	14743															
105		OBS	0018	0604	34400	2710			14747															
		STD	0020	0604	3441	2710	0009724	0019	14748															
		STD	0030	0607	3444	2712	0009540	0029	14751															
105		OBS	0037	0608	34449	2713			14753															
		STD	0050	0596	3445	2714	0009372	0048	14750															
105		OBS	0056	0590	34449	2715			14749															
		STD	0075	0571	3444	2717	0009157	0071	14744															
105		OBS	0075	0571	34442	2717			14744															
		STD	0100	0594	3455	2723	0008660	0093	14759															
105		OBS	0111	0604	34586	2724			14765															
		STD	0125	0578	3461	2729	0008052	0114	14757															
105		OBS	0148	0541	34643	2737			14747															
		STD	0150	0540	3465	2737	0007332	0134	14747															
		STD	0200	0515	3476	2749	0006279	0168	14746															
		STD	0250	0496	3484	2757	0005521	0197	14748															
105		OBS	T0294	0483	34886	2763			14750															
		STD	0300	0483	3489	2763	0005086	0224	14751															
		STD	0400	0476	3489	2763	0005112	0275	14765															
105		OBS	0437	0472	34887	2764			14769															
		STD	0500	0462	3494	2769	0004665	0323	14776															
105		OBS	T0593	0445	34975	2774			14785															
		STD	0600	0443	3497	2774	0004326	0368	14785															
		STD	0700	0420	3495	2775	0004307	0412	14792															
105		OBS	T0784	0402	34934	2775			14798															
		STD	0800	0399	3493	2775	0004305	0455	14799															
		STD	0900	0379	3491	2776	0004310	0498	14807															
105		OBS	0953	0369	34901	2776			14812															

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° ' /10	LONGITUDE ° ' /10	TIME OF DAY	MARSOEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	NGT	PER	SEA		TYPE	AMT	
31	702	HU	4415 N	04611 W	149	46	03	10	139	1966		034		3432	11	18			3	X3	4	6	0010
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
		COLOR CODE	TRANSL (m)	DIR.	SPEED OR FORCE	(mbars)		DRY BULB	WET BULB														
				01	S15	183		122	106	7	13												
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S %.	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g \cdot dl/l$	TOTAL-P $\mu g \cdot dl/l$	NO ₂ -N $\mu g \cdot dl/l$	NO ₃ -N $\mu g \cdot dl/l$	SiO ₄ -Si $\mu g \cdot dl/l$	pH	S CC					
		STD	0000	0663	3440	2701	0010529		0000	14768													
139		OBS	0000	0663	34396	2701				14768													
139		OBS	0009	0661	34400	2702				14769													
		STD	0010	0667	3440	2701	0010558		0011	14771													
		STD	0020	0706	3441	2696	0011036		0021	14788													
139		OBS	0023	0712	34409	2696				14791													
		STD	0030	0689	3443	2701	0010657		0032	14784													
139		OBS	0045	0662	34474	2708				14776													
		STD	0050	0670	3449	2708	0009993		0053	14780													
139		OBS	0067	0680	34534	2710				14788													
		STD	0075	0668	3453	2711	0009707		0077	14784													
139		OBS	0089	0650	34529	2714				14779													
		STD	0100	0642	3457	2718	0009111		0101	14778													
		STD	0125	0624	3466	2727	0008248		0123	14776													
139		OBS	0134	0618	34682	2730				14776													
		STD	0150	0606	3471	2734	0007685		0143	14774													
139		OBS	T0185	0581	34773	2742				14771													
		STD	0200	0575	3480	2745	0006699		0179	14771													
		STD	0250	0555	3486	2752	0006073		0210	14772													
		STD	0300	0533	3491	2759	0005498		0239	14772													
139		OBS	T0357	0506	34938	2764				14771													
		STD	0400	0476	3493	2767	0004791		0291	14765													
		STD	0500	0422	3490	2770	0004501		0337	14759													
139		OBS	T0529	0410	34898	2772				14759													
		STD	0600	0393	3489	2773	0004354		0382	14763													
		STD	0700	0376	3488	2773	0004351		0425	14772													
139		OBS	T0714	0375	34874	2773				14774													
		STD	0800	0376	3489	2775	0004333		0469	14784													
		STD	0900	0377	3490	2775	0004357		0512	14806													
139		OBS	T0930	0377	34904	2776				14811													
		STD	1000	0375	3490	2776	0004395		0556	14822													
		STD	1100	0368	3490	2776	0004405		0600	14836													
139		OBS	1129	0366	34903	2777				14840													

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MILES FROM SHORE	HARDEN SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLING	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.						10"	1"	MO	DAY	HR.1/10	CRUISE NO.	DIR.			HGT	PER	SEA	TYPE	AMT				
31	702	HU	4408 N	04630 W		149 46	03	10	207	1966		035		3734	13	18			6	X3	3	8		0011
		WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS													
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB																
				14	S23	139	111	100	7	13														
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- $\times 10^3$	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SIO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	CO ₂							
		STD	0000	0895	3476	2695	0011102	0000	14862															
207		OBS	0000	0895	34755	2695			14862															
207		OBS	0008	0898	34752	2695			14864															
		STD	0010	0897	3476	2695	0011152	0011	14864															
		STD	0020	0892	3477	2697	0011000	0022	14864															
207		OBS	0022	0891	34771	2697			14864															
		STD	0030	0913	3483	2698	0010882	0033	14875															
207		OBS	0045	0921	34878	2701			14881															
		STD	0050	0896	3482	2700	0010735	0055	14871															
207		OBS	0068	0852	34750	2702			14857															
		STD	0075	0870	3483	2705	0010315	0081	14866															
207		OBS	0090	0898	34956	2711			14881															
		STD	0100	0881	3497	2714	0009494	0106	14876															
		STD	0125	0841	3498	2722	0008864	0129	14865															
207		OBS	0136	0616P	34982	2754P																		
		STD	0150	0804	3495	2725	0008587	0151	14855															
207		OBS	T0183	0758	34913	2729			14842															
		STD	0200	0737	3494	2734	0007790	0192	14837															
		STD	0250	0680	3499	2746	0006715	0228	14844															
207		OBS	T0269	0660	35000	2749			14819															
		STD	0300	0628	3498	2752	0006173	0260	14811															
207		OBS	0364	0571	34965	2758			14799															
		STD	0400	0543	3498	2763	0005226	0317	14793															
207		OBS	T0494	0486	35000	2771			14786															
		STD	0500	0485	3500	2771	0004492	0366	14786															
		STD	0600	0465	3499	2773	0004439	0410	14795															
		STD	0700	0447	3498	2774	0004405	0454	14804															
207		OBS	T0747	0439	34972	2774			14808															
		STD	0800	0430	3497	2775	0004377	0498	14813															
		STD	0900	0416	3496	2776	0004381	0542	14824															
		STD	1000	0402	3495	2777	0004381	0586	14834															
		STD	1100	0391	3494	2777	0004412	0630	14846															
		STD	1200	0381	3493	2777	0004451	0674	14859															
207		OBS	1255	0376	34924	2777			14866															

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH INCH	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	IO. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE	
31	702	HU	4403 N	04540 W		149	45	03	11	015	1966	036	3980	10	23			2	X6	5 8		0012
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
		COLOR CODE	TRANS. mm	DIR.	SPEED OR FORCE	DRY BULB		WET BULB														
						23	524	149	111		111	5					13					
MESSAGE TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t		Σ Δ ρ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	SiO ₄ -Si μg - dl/l	pH	S C C				
		STD	0000	0627	3412	2684	0012155		0000	14750												
	015	OBS	0000	0627	34118	2684				14750												
	015	OBS	0008	0629	34121	2684				14752												
		STD	0010	0628	3412	2685	0012143		0012	14752												
		STD	0020	0623	3413	2686	0012038		0024	14752												
	015	OBS	0021	0622	34131	2686				14752												
		STD	0030	0590	3418	2694	0011284		0036	14741												
	015	OBS	0040	0567	34238	2701				14734												
		STD	0050	0560	3429	2706	0010132		0057	14733												
	015	OBS	0054	0557	34310	2708				14733												
	015	OBS	0073	0534	34369	2716				14728												
		STD	0075	0534	3438	2717	0009193		0081	14728												
		STD	0100	0539	3447	2723	0008605		0104	14736												
	015	OBS	0104	0540	34475	2723				14737												
		STD	0125	0506	3445	2725	0008404		0125	14726												
	015	OBS	0139	0488	34439	2727				14721												
		STD	0150	0488	3444	2727	0008305		0146	14722												
		STD	0200	0486	3446	2729	0008189		0187	14730												
		STD	0250	0484	3448	2730	0008072		0228	14738												
	015	OBS	0278	0483	34492	2731				14742												
		STD	0300	0482	3450	2732	0007969		0268	14745												
		STD	0400	0477	3452	2735	0007830		0347	14760												
	015	OBS	0430	0475	34531	2735				14764												
		STD	0500	0450	3476	2756	0005864		0415	14769												
	015	OBS	0594	0430	34954	2774				14779												
		STD	0600	0430	3496	2774	0004288		0466	14780												
		STD	0700	0433	3497	2775	0004330		0509	14798												
	015	OBS	0789	0436	34980	2775				14814												
		STD	0800	0435	3498	2775	0004364		0553	14815												
		STD	0900	0415	3497	2777	0004295		0596	14823												
	015	OBS	0954	0399	34957	2777				14825												

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH FATHOMS	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- TER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	IO. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TPTL	
31	702	HU	4657 N	04800 W		149	68	03	11	163	1966	013	0137	01	28	5	2		X1	3 6		0013
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB		WET BULB														
					23	534	16	006	001	7	06											
MESSAGE TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta \rho$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{dl/l}$	TOTAL-P $\mu\text{g} - \text{dl/l}$	NO ₂ -N $\mu\text{g} - \text{dl/l}$	NO ₃ -N $\mu\text{g} - \text{dl/l}$	SiO ₄ -Si $\mu\text{g} - \text{dl/l}$	pH	S C			
		STD	0000	0044	3329	2673		0013255		0000	14489											
163		OBS	0000	0044	33291	2673					14489											
		STD	0010	0047	3330	2673		0013222		0013	14492											
163		OBS	0011	0047	33298	2673					14493											
		STD	0020	0047	3330	2673		0013189		0026	14494											
163		OBS	0028	0046	33304	2674					14495											
		STD	0030	0051	3332	2675		0013067		0040	14498											
		STD	0050	0092	3349	2686		0012002		0065	14524											
163		OBS	0055	0098	33524	2688					14526											
		STD	0075	0102	3363	2697		0011002		0093	14533											
163		OBS	0082	0104	33681	2701					14535											
		STD	0100	0134	3383	2711		0009691		0119	14554											
163		OBS	0110	0159	33921	2716					14568											

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1'	MO DAY HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT		
31	702	HU	4702 N	04744 W	149 77	03 11	181	1966		014		0172	01	28	6	2		X3	3	3	0014	
					WATER		WIND		BARO- METER		AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mba)	DRY BULB	WET BULB											
								23	533	261	017	011	7	07								
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S C					
		STD	0000	0049	3331	2674	0013151	0000	14492													
181		OBS	0000	0049	33308	2674			14492													
181		OBS	0009	0048	33308	2674			14493													
		STD	0010	0048	3331	2674	0013130	0013	14493													
		STD	0020	0048	3331	2674	0013128	0026	14495													
181		OBS	0023	0048	33312	2674			14495													
		STD	0030	0044	3332	2675	0013053	0039	14495													
181		OBS	0045	0041	33329	2676			14496													
		STD	0050	0042	3336	2678	0012712	0065	14498													
181		OBS	0068	0053	33476	2687			14507													
		STD	0075	0062	3351	2689	0011677	0096	14513													
181		OBS	0091	0084	33584	2694			14527													
		STD	0100	0096	3364	2698	0010889	0124	14534													
		STD	0125	0131	3380	2708	0009903	0150	14556													
181		OBS	0136	0146	33890	2714			14566													

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1'	MO DAY HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT		
31	702	HU	4700 N	04730 W	149 77	03 11	200	1966		015		0210	02	21	3	3		X3	3	6	0015	
					WATER		WIND		BARO- METER		AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mba)	DRY BULB	WET BULB											
								24	524	186	033	028	7	07								
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S C					
		STD	0000	0077	3342	2682	0012418	0000	14506													
200		OBS	0000	0077	33424	2682			14506													
		STD	0010	0078	3343	2682	0012408	0012	14508													
200		OBS	0010	0078	33426	2682			14508													
		STD	0020	0078	3343	2682	0012378	0025	14510													
200		OBS	0027	0077	33432	2682			14511													
		STD	0030	0076	3350	2688	0011832	0037	14512													
		STD	0050	0067	3392	2722	0008586	0057	14517													
		STD	0075	0056	3427	2751	0005863	0075	14521													
200		OBS	0080	0054	34325	2755			14521													
		STD	0100	0249	3444	2751	0005938	0090	14613													
200		OBS	0105	0286	34471	2750			14630													
		STD	0125	0316	3457	2755	0005558	0105	14648													
		STD	0150	0349	3467	2760	0005136	0118	14667													
200		OBS	0160	0361	34705	2761			14674													
200		OBS	0184	0387	34771	2764			14690													

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INCHES	MARSDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLDUD CODES	NODC STATION NUMBER		
CITY CODE	ID. NO.					10"	1"	MO	DAY		HR./1/10	CRUISE NO.			STATION NUMBER	DIR	HGT				PER	SEA
31	702	HU	4700 N	04715 W		149	77	03	11	222	1966	016	0638	06	22	3	4		X3	3 5		0016
						WATER		WIND		AIR TEMP. °C		BARO- METER		VIS. CODE		NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	DRY BULB		WET BULB										
								22		525		193	017		6	11						
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	D ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₂ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S C C					
		STO	0000	0157	3378	2705	0010234	0000	14547													
222		OBS	0000	0157	33776	2705			14547													
		STO	0010	0269	3432	2739	0006950	0009	14605													
222		OBS	0010	0269	34321	2739			14605													
		STO	0020	0301	3444	2746	0006329	0015	14622													
222		OBS	0027	0318	34507	2750			14632													
		STO	0030	0322	3453	2751	0005843	0021	14634													
		STO	0050	0342	3462	2756	0005364	0033	14647													
222		OBS	0055	0346	34634	2757			14650													
		STO	0075	0351	3465	2758	0005243	0046	14656													
222		OBS	0084	0354	34660	2759			14658													
		STO	0100	0361	3470	2761	0004984	0059	14665													
222		OBS	0111	0366	34724	2762			14669													
		STO	0125	0372	3474	2763	0004612	0071	14674													
		STO	0150	0380	3477	2765	0004689	0083	14682													
222		OBS	0169	0384	34778	2765			14687													
		STO	0200	0387	3478	2765	0004731	0106	14693													
222		OBS	T0225	0389	34785	2765			14698													
		STO	0250	0392	3479	2765	0004754	0130	14704													
		STO	0300	0397	3481	2766	0004704	0154	14714													
222		OBS	T0348	0399	34821	2767			14723													
		STO	0400	0397	3483	2767	0004689	0201	14731													
222		OBS	T0466	0395	34829	2768			14741													
		STO	0500	0398	3484	2768	0004681	0247	14748													
222		OBS	0576	0409	34869	2769			14766													

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INCHES	MARSDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLDUD CODES		NODC STATION NUMBER				
CITY CODE	ID. NO.					10"	1"	MO	DAY		CRUISE NO.	STATION NUMBER			DIR	HGT	PER		SEA	TYPE		AMT			
31	702	HU	4659 N	04659 W		149	66	03	12	025	1966		017		1116	03	24	2	3		X1	8 3		0017	
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
		COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	DRY BULB		WET BULB																	
								22		15	196	063	051	7	08										
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	D ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₂ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S C C								
		STD	0000	0177	3388	2711	0009620	0000	14557																
	025	OBS	0000	0177	33875	2711			14557																
		STD	0010	0180	3389	2712	0009531	0010	14560																
	025	OBS	0013	0181	33911	2714			14561																
		STD	0020	0210	3406	2723	0008464	0019	14577																
		STD	0030	0246	3423	2734	0007461	0027	14597																
	025	OBS	0033	0255	34276	2737			14602																
		STD	0050	0291	3445	2748	0006187	0040	14623																
	025	OBS	0064	0310	34539	2753			14635																
		STD	0075	0311	3454	2753	0005706	0055	14637																
	025	OBS	0096	0314	34559	2754			14642																
		STD	0100	0317	3457	2755	0005549	0069	14644																
		STD	0125	0338	3464	2758	0005236	0083	14658																
	025	OBS	0127	0340	34646	2759			14659																
		STD	0150	0362	3470	2761	0005037	0095	14673																
	025	OBS	0190	0387	34766	2764			14691																
		STD	0200	0388	3477	2764	0004826	0120	14693																
		STD	0250	0390	3478	2764	0004822	0144	14703																
	025	OBS	T0252	0390	34778	2764			14702																

TABLE III.—Continued

REFERENCE CTRY CODE	SHIP NO.	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDIC	MARS DEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER			
						10"	1"	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR	HGT		PER	SEA		TYPE	AMT	
31	702	HU	4644 N	04702 W		149	67	03	12	055	1966	018	1185	11	24	2	L		X1	3 3	0018			
						WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS										
						COLOR CODE	TRANSL. (m)	DIR.	SPEED OR FORCE	BARO-METER (mbars)	DRY BULB	WET BULB	VIS. CODE											
								19	S10	196	036	037	7	1U										
MESSINGR TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{dl/l}$	TOTAL-P $\mu\text{g} - \text{dl/l}$	NO ₂ -N $\mu\text{g} - \text{dl/l}$	NO ₃ -N $\mu\text{g} - \text{dl/l}$	SIO ₄ -Si $\mu\text{g} - \text{dl/l}$	pH	S/C							
		STD	0000	0362	3460	2753	0005675	0000	14647															
055		OBS	0000	0362	34598	2753			14647															
		STD	0010	0361	3460	2753	0005657	0006	14648															
		STD	0020	0360	3460	2753	0005654	0011	14649															
055		OBS	0025	0359	34605	2754			14650															
		STD	0030	0360	3461	2754	0005617	0017	14651															
		STD	0050	0362	3461	2754	0005634	0028	14655															
055		OBS	0051	0362	34609	2754			14656															
		STD	0075	0366	3464	2756	0005461	0042	14662															
		STD	0100	0373	3468	2758	0005251	0055	14669															
055		OBS	0102	0374	34684	2758			14670															
		STD	0125	0386	3475	2761	0005027	0068	14680															
		STD	0150	0396	3476	2762	0004926	0081	14688															
055		OBS	T0157	0398	34773	2763			14691															
		STD	0200	0400	3480	2765	0004711	0105	14699															
		STD	0250	0402	3483	2767	0004554	0128	14708															
055		OBS	T0263	0402	34831	2767			14710															
		STD	0300	0400	3484	2768	0004512	0151	14716															
055		OBS	T0372	0398	34860	2770			14727															
		STD	0400	0400	3486	2770	0004460	0196	14732															
		STD	0500	0405	3485	2769	0004654	0241	14751															
055		OBS	0592	0410	34850	2768			14768															
		STD	0600	0408	3485	2768	0004798	0288	14769															
		STD	0700	0383	3487	2772	0004467	0335	14775															
		STD	0800	0366	3489	2776	0004221	0378	14785															
055		OBS	T0812	0364	34892	2776			14786															
		STD	0900	0363	3489	2776	0004239	0420	14800															
		STD	1000	0361	3490	2776	0004291	0463	14816															
055		OBS	1079	0360	34898	2777			14829															

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDIC	MARS DEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER				
CTRY CODE	ID. NO.					10"	1"	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR	HGT	PER		SEA	TYPE		AMT			
31	702	HU	4701 N	04630 W		149	76	03	12	086	1966		019		0365	03	19	2	3		X1	3 3		0019		
						WATER		WIND		BARO- METER (mbars)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB														
								14	S15		196	039						6	09							
MESSINGR TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$		SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{dl/l}$	TOTAL-P $\mu\text{g} - \text{dl/l}$	NO ₂ -N $\mu\text{g} - \text{dl/l}$	NO ₃ -N $\mu\text{g} - \text{dl/l}$	SiO ₄ -Si $\mu\text{g} - \text{dl/l}$	pH								
		STD	0000	0377	3455	2747	0006201		0000		14653															
	086	OBS	0000	0377	34547	2747					14653															
		STD	0010	0378	3455	2747	0006233		0006		14655															
	086	OBS	0012	0378	34545	2747					14655															
		STD	0020	0379	3455	2747	0006233		0012		14657															
	086	OBS	0029	0379	34549	2747					14658															
		STD	0030	0379	3455	2747	0006224		0019		14659															
		STD	0050	0373	3457	2750	0006011		0031		14660															
	086	OBS	0056	0372	34580	2750					14660															
		STD	0075	0373	3458	2750	0005955		0046		14664															
	086	OBS	0085	0373	34584	2750					14666															
		STD	0100	0372	3459	2751	0005935		0061		14667															
	086	OBS	0114	0370	34590	2751					14669															
		STD	0125	0375	3461	2752	0005818		0075		14673															
		STD	0150	0387	3466	2755	0005585		0090		14683															
	086	OBS	0171	0396	34707	2758					14691															
		STD	0200	0410	3480	2764	0004819		0116		14703															
	086	OBS	T0228	0416	34859	2768					14711															
		STD	0250	0408	3486	2769	0004380		0139		14711															
		STD	0300	0391	3487	2772	0004172		0160		14713															
	086	OBS	0341	0377	34881	2774					14713															

TABLE III.—Continued

REFERENCE	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	ORIG INDIC	MARS DEN SQUARE	STATION TIME (GMT)	YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
								CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		TYPE	AMT	
31	702	HU	4700 N	04610 W	149 76	03 12 096	1966	020		0301	03	11	2	3	X 3	5	8	0020
					WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS				
					COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE		DRY BULB	WET BULB							
							12	518	173	044		7	09					
MESSING TIME OF HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY-X10 ⁷	Σ Δ D DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₃ -N μg - at/l	Si D ₄ -Si μg - at/l	pH	NODC	
		STD	0000	0390	3453	2744	0006470	0000	14658									
	096	OBS	0000	0390	34528	2744			14658									
		STD	0010	0390	3453	2745	0006456	0006	14660									
	096	OBS	0010	0390	34531	2745			14660									
		STD	0020	0390	3453	2744	0006473	0013	14661									
	096	OBS	0025	0390	34524	2744			14662									
		STD	0030	0390	3453	2744	0006512	0019	14663									
		STD	0050	0390	3454	2745	0006463	0032	14666									
	096	OBS	0050	0390	34535	2745			14666									
		STD	0075	0381	3457	2748	0006168	0048	14667									
	096	OBS	0076	0381	34567	2748			14667									
		STD	0100	0373	3462	2753	0005705	0063	14669									
	096	OBS	0101	0373	34627	2754			14669									
		STD	0125	0391	3468	2756	0005452	0077	14681									
		STD	0150	0406	3474	2759	0005178	0090	14692									
	096	OBS	0151	0407	34743	2760			14693									
		STD	0200	0428	3486	2767	0004557	0115	14711									
	096	OBS	T0203	0429	34865	2767			14712									
		STD	0250	0396	3487	2771	0004197	0136	14706									
	096	OBS	0254	0391	34871	2771			14705									

REFERENCE	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	ORIG INDIC	MARS DEN SQUARE	STATION TIME (GMT)	YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
								CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		TYPE	AMT	
31	702	HU	4719 N	04610 W	149 76	03 12 125	1966	021		0640	05	30	2	3	X 6	5	8	0021
					WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS				
					COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE		DRY BULB	WET BULB							
							11	522	146	050		3	11					
MESSING TIME OF HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY-X10 ⁷	Σ Δ D DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₃ -N μg - at/l	Si D ₄ -Si μg - at/l	pH	NODC	
		STD	0000	0347	3451	2747	0006175	0000	14640									
	125	OBS	0000	0347	34513	2747			14640									
	125	OBS	0009	0347	34517	2748			14641									
		STD	0010	0347	3452	2748	0006154	0006	14641									
		STD	0020	0348	3452	2748	0006167	0012	14644									
	125	OBS	0025	0349	34518	2748			14645									
		STD	0030	0354	3454	2749	0006062	0018	14648									
		STD	0050	0368	3461	2753	0005685	0030	14658									
	125	OBS	0050	0368	34610	2753			14658									
		STD	0075	0366	3462	2754	0005613	0044	14662									
		OBS	0076	0366	34624	2754			14662									
		STD	0100	0380	3468	2757	0005324	0058	14672									
	125	OBS	0101	0381	34687	2758			14673									
		STD	0125	0382	3472	2760	0005091	0071	14678									
		STD	0150	0383	3475	2762	0004898	0083	14683									
	125	OBS	0153	0383	34750	2763			14683									
		STD	0200	0384	3479	2765	0004677	0107	14694									
	125	OBS	0205	0390	34796	2766			14695									
		STD	0250	0400	3483	2767	0004540	0130	14708									
		STD	0300	0412	3486	2768	0004486	0153	14721									
	125	OBS	T0306	0413	34862	2768			14723									
		STD	0400	0403	3488	2771	0004364	0197	14734									
	125	OBS	T0412	0402	34879	2771			14736									
		STD	0500	0393	3489	2773	0004253	0240	14747									
	125	OBS	0517	0391	34890	2773			14749									

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	MARS MOON	MARS SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX DEPTH OF SAMPLE	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10°	1°	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA	TYPE	AMT		
31	702	HU	4740 N	04610 W	149	76	03	12	150	1966		022		1097	10	13	4		X7	5	8	0022	
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS									
		COLOR CODE	TRANS. IMI	DIR.	SPEED OF FORCE	METER (mba)		DRY BULB	WET BULB	VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS									
				13	520	125	039			5	13												
MESSAGE TIME OF HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Delta \rho$ DYN. M. K 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	DO						
		STD	0000	0373	3458	2750	0005914	0000	14652														
150		OBS	0000	0373	34580	2750			14652														
150		OBS	0009	0372	34574	2750			14653														
		STD	0010	0372	3457	2750	0005960	0006	14653														
		STD	0020	0373	3458	2750	0005960	0012	14655														
150		OBS	0023	0373	34577	2750			14655														
		STD	0030	0374	3458	2750	0005950	0018	14657														
150		OBS	0045	0375	34582	2750			14660														
		STD	0050	0375	3459	2750	0005940	0030	14661														
150		OBS	0068	0375	34597	2751			14664														
		STD	0075	0378	3463	2754	0005653	0044	14667														
150		OBS	0091	0352	34697	2759			14672														
		STD	0100	0383	3470	2759	0005195	0058	14674														
		STD	0125	0384	3473	2761	0005010	0071	14679														
150		OBS	0136	0385	34742	2762			14681														
		STD	0150	0402	3478	2763	0004837	0083	14691														
150		OBS	T0182	0426	34842	2765			14707														
		STD	0200	0417	3484	2766	0004571	0106	14707														
		STD	0250	0399	3485	2769	0004408	0129	14707														
150		OBS	T0273	0393	34847	2769			14709														
		STD	0300	0390	3485	2770	0004331	0151	14712														
150		OBS	T0354	0385	34857	2771			14719														
		STD	0400	0361	3486	2772	0004254	0194	14725														
		STD	0500	0374	3487	2773	0004195	0236	14738														
150		OBS	T0541	0372	34878	2774			14744														
		STD	0600	0370	3488	2774	0004159	0278	14753														
		STD	0700	0366	3489	2775	0004172	0319	14768														
150		OBS	T0736	0364	34887	2775			14774														
		STD	0800	0361	3489	2776	0004165	0361	14783														
		STD	0900	0356	3489	2777	0004192	0403	14797														
150		OBS	0961	0353	34895	2777			14806														

TABLE III.—Continued

REFERENCE CTRY CODE	ID. NO.	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	TIME 1/10	MARSHEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
						10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
31	702	HU	4756 N	04610 W		149	76	03	12	175	1966		023	1097	10	15	2	3		X7	5	8	0023
						WATER		WIND		AIR TEMP. °C		BARO- METER (mb)		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. IM	DIR.	SPEED OR FORCE			DRY BULB	WET BULB										
								13	508	105		033		5	14								
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta \sigma$ DTN, M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{dl/l}$	TOTAL-P $\mu\text{g} - \text{dl/l}$	NO ₂ -N $\mu\text{g} - \text{dl/l}$	NO ₃ -N $\mu\text{g} - \text{dl/l}$	SiO ₄ -Si $\mu\text{g} - \text{dl/l}$	pH	S C C						
		STD	0000	0370	3454	2748	0006165	0000	14650														
175		OBS	0000	0370	34543	2748			14650														
175		OBS	0009	0371	34566	2749			14652														
		STD	0010	0371	3457	2750	0005979	0006	14652														
		STD	0020	0371	3457	2750	0005991	0012	14654														
		STD	0030	0372	3457	2750	0006003	0018	14656														
175		OBS	0047	0372	34578	2750			14659														
		STD	0050	0372	3458	2750	0005965	0030	14659														
175		OBS	0070	0373	34578	2750			14663														
		STD	0075	0373	3458	2750	0005982	0045	14664														
175		OBS	0094	0374	34593	2751			14668														
		STD	0100	0376	3461	2752	0005806	0060	14670														
		STD	0125	0382	3468	2757	0005362	0074	14677														
175		OBS	0141	0383	34703	2759			14681														
		STD	0150	0380	3471	2760	0005140	0087	14681														
175		OBS	0189	0375	34719	2761			14685														
		STD	0200	0382	3472	2760	0005130	0112	14690														
		STD	0250	0405	3472	2758	0005414	0139	14708														
175		OBS	T0284	0411	34745	2759			14717														
		STD	0300	0407	3476	2761	0005184	0165	14718														
175		OBS	T0382	0386	34865	2771			14724														
		STD	0400	0365	3487	2772	0004222	0212	14726														
		STD	0500	0378	3487	2773	0004239	0255	14740														
175		OBS	T0576	0374	34877	2774			14751														
		STD	0600	0373	3468	2774	0004199	0297	14755														
		STD	0700	0370	3489	2775	0004180	0339	14770														
175		OBS	T0774	0367	34894	2776			14781														
		STD	0800	0366	3489	2776	0004192	0381	14785														
		STD	0900	0361	3489	2776	0004220	0423	14800														
175		OBS	0994	0355	34893	2777			14813														

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE • 1/10	LONGITUDE • 1/10	OBS. INDEX	MARSDEN SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	IO. NO.						10"	1"	MO	DAY	HR./10	CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA	TYPE	AMT	
31	702	HU	4820 N	04610 W		149 86	03	12	199	1966		024		1097	11	03	3	3	X 7	5	8	0024
						WATER		WIND		BARO-METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS						
						COLOR CODE	TRANS. INT.	DIR.	SPEED OR FORCE	METER (mbars)	DRY BULB	WET BULB										
								19	515	088	022		3	13								
MESSNGR TIME OF HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME AND WMLT-3107	S Δ D DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₃ -N μg - dl/l	NO ₃ -N μg - dl/l	SiO ₄ -Si μg - dl/l	pH	S					
		STD	0000	0356	3463	2755	0005415	0000	14645													
199		OBS	0000	0356	34625	2755			14645													
		STD	0010	0360	3465	2757	0005288	0005	14649													
199		OBS	0010	0360	34648	2757			14649													
		STD	0020	0364	3466	2757	0005282	0011	14652													
199		OBS	0025	0365	34659	2757			14653													
		STD	0030	0366	3466	2757	0005268	0016	14654													
		STD	0050	0368	3466	2757	0005306	0026	14659													
199		OBS	0052	0368	34661	2757			14659													
		STD	0075	0372	3467	2757	0005294	0040	14665													
199		OBS	0077	0373	34672	2757			14665													
		STD	0100	0385	3471	2759	0005144	0053	14675													
199		OBS	0104	0386	34721	2760			14676													
		STD	0125	0387	3474	2761	0004960	0065	14680													
		STD	0150	0388	3476	2763	0004843	0078	14685													
199		OBS	0156	0388	34766	2763			14686													
		STD	0200	0381	3477	2764	0004745	0102	14690													
199		OBS	T0208	0380	34771	2765			14691													
		STD	0250	0389	3479	2765	0004723	0125	14702													
		STD	0300	0395	3481	2766	0004661	0149	14713													
199		OBS	T0312	0396	34819	2767			14716													
		STD	0400	0390	3482	2767	0004657	0195	14728													
199		OBS	0416	0389	34819	2768			14730													
		STD	0500	0393	3485	2770	0004551	0241	14746													
		STD	0600	0398	3487	2771	0004549	0287	14765													
199		OBS	T0625	0399	34875	2771			14770													
		STD	0700	0390	3488	2772	0004479	0332	14778													
		STD	0800	0381	3489	2774	0004393	0376	14791													
199		OBS	0832	0378	34894	2775			14796													
		STD	0900	0373	3489	2775	0004359	0420	14805													
		STD	1000	0369	3490	2776	0004391	0464	14820													
199		OBS	1059	0367	34895	2776			14829													

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS DEN SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1'	MO	DAY (HR.)		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		TYPE	AMT		
31	702	HU	4835 N	04610 W	149 86	03	12	224	1966		025		2012	13	04	6	4		X7	5	8	0025
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS										
		COLOR CODE	TRANS (m)	DIR.	SPEED OF FORCE	DRY BULB	WET BULB															
					19	517	075			6	13											
MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- $\times 10^7$	$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C C					
		STD	0000	0391	3474	2761	0004899	0000	14661													
224		OBS	0000	0391	34738	2761			14661													
		STD	0010	0398	3476	2762	0004842	0005	14666													
224		OBS	0010	0398	34756	2762			14666													
		STD	0020	0398	3475	2761	0004867	0010	14668													
224		OBS	0026	0398	34752	2761			14669													
		STD	0030	0398	3475	2761	0004886	0015	14669													
		STD	0050	0399	3476	2762	0004874	0024	14673													
224		OBS	0052	0399	34758	2762			14674													
		STD	0075	0399	3476	2762	0004884	0037	14677													
224		OBS	0079	0399	34760	2762			14678													
		STD	0100	0400	3476	2762	0004887	0049	14682													
224		OBS	0106	0400	34765	2762			14683													
		STD	0125	0393	3477	2763	0004812	0061	14683													
		STD	0150	0388	3477	2764	0004755	0073	14685													
224		OBS	0158	0387	34773	2764			14686													
		STD	0200	0394	3481	2766	0004578	0096	14696													
224		OBS	0211	0396	34817	2767			14699													
		STD	0250	0396	3483	2768	0004496	0119	14706													
		STD	0300	0396	3485	2769	0004395	0141	14714													
		STD	0400	0396	3488	2772	0004266	0184	14731													
224		OBS	T0422	0396	34887	2772			14735													
		STD	0500	0384	3489	2773	0004209	0227	14745													
		STD	0600	0382	3489	2774	0004224	0269	14759													
224		OBS	T0636	0379	34894	2775			14763													
		STD	0700	0375	3489	2775	0004206	0311	14772													
		STD	0800	0369	3489	2776	0004226	0353	14786													
224		OBS	T0850	0366	34894	2776			14793													
		STD	0900	0363	3490	2776	0004228	0396	14801													
		STD	1000	0357	3490	2777	0004220	0438	14815													
224		OBS	T1082	0353	34902	2778			14827													
		STD	1100	0352	3490	2778	0004207	0480	14829													
		STD	1200	0349	3492	2779	0004163	0522	14845													
224		OBS	1276	0348	34925	2780			14858													

TABLE IV. Observed and interpolated oceanographic data taken by USCGC EVERGREEN on North Atlantic Standard Monitoring Sections 2, 3, 4, 5 and 6, 25 October, 13 November 1966; prepared from NODC listing No. 31-8007.

REFERENCE CTRY CODE	ID. NO.	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH METER	MARSDEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
						10"	1"	MO	DAY	HR./10	CRUISE NO.		STATION NUMBER	DIR.			HGT	PER	SEA	TYPE		AMT			
31	8007	EV	3505 N	07506 W		116	55	10	25	029	1966		020		0545	05	36	1	2		X1	0	3	0031	
						WATER		WIND		BARO- METER (mbars)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS										
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB													
						DT	SD	35	512		186	217				211	8	24							
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t		Σ Δ σ _t DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - σ _t /l	TOTAL-P μg - σ _t /l	NO ₂ -N μg - σ _t /l	NO ₃ -N μg - σ _t /l	SiO ₄ -Si μg - σ _t /l	pH	S C							
029	STD	0000	2558	3592	2388	0040375		0000	15372																
	OBS	0000	2558	35917	2388				15372																
001	STD	0010	2558	3592	2388	0040423		0040	15374																
	OBS	0010	2558	35916	2388				15374																
	STD	0020	2544	3592	2392	0040052		0081	15372																
	OBS	0020	2544	35916	2392				15372																
	OBS	0025	2520	35936	2401				15368																
	STD	0030	2478	3596	2415	0037843		0120	15359																
	OBS	0030	2478	35961	2415				15359																
	OBS	0035	2340	36036	2462				15327																
	STD	0050	2295	3628	2493	0030486		0188	15321																
	OBS	0050	2295	36276	2493				15321																
	STD	0075	1987	3636	2585	0021879		0253	15246																
	OBS	0075	1987	36356	2585				15246																
	STD	0100	1699	3624	2649	0015887		0301	15167																
	OBS	0105	1662	36215	2655				15156																
	STD	0125	1586	3610	2664	0014463		0339	15135																
	OBS	0125	1586	36099	2664				15135																
	STD	0150	1507	3592	2668	0014167		0374	15112																
	OBS	0150	1507	35916	2668				15112																
	OBS	0188	1368	35806	2689				15072																
	STD	0200	1257	3564	2699	0011306		0438	15035																
	OBS	0200	1257	35636	2699				15035																
	OBS	0225	1181	35521	2705				15012																
	STD	0250	1067	3536	2713	0009977		0491	14974																
	OBS	0250	1067	35361	2713				14974																
	OBS	0285	0987	35225	2717				14949																
	STD	0300	0909	3514	2723	0009105		0539	14921																
	OBS	0300	0909	35136	2723				14921																
	OBS	0350	0810	35061	2733				14891																
	OBS	0380	0800	35115	2738				14893																
	STD	0400	0733	3507	2745	0007077		0620	14870																
	OBS	0400	0733	35074	2745				14870																
	OBS	0435	0646	35055	2756				14841																
	OBS	0475	0488	34961	2768				14783																
	STD	0500	0480	3496	2768	0004759		0679	14784																
	OBS	0500	0480	34956	2768				14784																
	OBS	0540	0472	34955	2769				14787																

TABLE IV.—Continued

REFERENCE CTRY CODE	SHIP NO.	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DIR INDIC	MARDEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOCC STATION NUMBER	
							10"	1"	MO	DAY	HR./10	CRUISE NO.	STATION NUMBER		DIR	HGT	PER	SEA		TYPE	AMT		
318007	EV		3449 N	07435 W		116	44	10	25	071	1966	021	3035	13	33	3	2		X1	0	3	0032	
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS DEPTH	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. mm	DIR.	SPEED OF FORCE	METER (mb)		DRY BULB	WET BULB										
						DT	SD	01	S18	207		244	222										
MESSENGER TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\frac{\Delta \sigma_t}{\Delta T}$ °C ⁻¹	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P µg - at/l	TOTAL-P µg - at/l	NO ₃ -N µg - at/l	NO ₂ -N µg - at/l	SiO ₄ -Si µg - at/l	pH	S C						
		STD	0000	2665	3607	2366	0042447	0000	15398														
	071	OBS	0000	2665	36074	2366			15398														
		STD	0010	2669	3606	2364	0042696	0043	15400														
		OBS	0010	2669	36062	2364			15400														
		STD	0020	2669	3606	2364	0042738	0085	15402														
	002	OBS	0020	2669	36062	2364			15402														
		OBS	0025	2665	36063	2365			15402														
		STD	0030	2661	3607	2367	0042515	0128	15402														
		OBS	0030	2661	36065	2367			15402														
		STD	0050	2652	3607	2369	0042326	0213	15403														
		OBS	0050	2652	36065	2369			15403														
		STD	0075	2648	3612	2375	0041921	0318	15407														
		OBS	0075	2648	36119	2375			15407														
		OBS	0085	2580	36300	2410			15395														
		OBS	0090	2598	36383	2410			15401														
		STD	0100	2555	3643	2427	0037030	0417	15393														
		OBS	0100	2555	36427	2427			15393														
		STD	0125	2411	3658	2482	0031863	0503	15365														
		OBS	0125	2411	36578	2482			15365														
		STD	0150	2286	3670	2529	0027549	0577	15340														
		OBS	0150	2286	36704	2529			15340														
		OBS	0170	2203	36745	2555			15323														
		STD	0200	2074	3671	2589	0022000	0701	15294														
		OBS	0200	2074	36712	2589			15294														
		STD	0250	1926	3656	2616	0019512	0805	15260														
		STD	0300	1752	3634	2643	0017092	0896	15216														
		OBS	0300	1752	36336	2643			15216														
		STD	0400	1323	3570	2691	0012662	1045	15091														
		OBS	0400	1323	35701	2691			15091														
		STD	0500	1107	3544	2712	0010696	1162	15030														
		OBS	0500	1107	35440	2712			15030														
		OBS	0560	0916	35155	2723			14967														
		STD	0600	0879	3515	2729	0009142	1261	14960														
		OBS	0600	0879	35146	2729			14960														
		OBS	0630	0870	35108	2727			14961														
		OBS	0678	0761	35026	2737			14926														
		STD	0700	0766	3504	2737	0008353	1349	14932														
		OBS	0700	0766	35036	2737			14932														
		STD	0800	0553	3504	2766	0005453	1418	14864														
		OBS	0800	0553	35036	2766			14864														
		OBS	0850	0491	35026	2773			14847														
		STD	0900	0491	3503	2773	0004774	1469	14855														
		OBS	0900	0491	35034	2773			14855														
		STD	1000	0448	3500	2776	0004561	1515	14854														
		OBS	1000	0448	35003	2776			14854														
		STD	1100	0427	3500	2778	0004448	1560	14862														
		OBS	1100	0427	34996	2778			14862														
		STD	1200	0410	3499	2779	0004403	1605	14871														
		OBS	1200	0410	34986	2779			14871														
		STD	1300	0400	3498	2779	0004390	1649	14884														
		OBS	1300	0400	34983	2779			14884														

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	OBS. NO.	MARSOEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAR. DEPTH OF S'PL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
31	8007	EV	3436 N	07408 W	116	44	10	25	101	1966		022		3658	15	33	1	2		X1	0	3	0033
		WATER COLOR CODE	WIND DIR.		BARO- METER (mb)	AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS													
			TRANS. (mi)	SPEED OR FORCE		DRY BULB	WET BULB																
		DT	SO	03	506	166	240	220	7	26													
MESSENGER TIME HR. 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{ml}^{-1}$	TOTAL-P $\mu\text{g} \cdot \text{ml}^{-1}$	NO ₂ -N $\mu\text{g} \cdot \text{ml}^{-1}$	NO ₃ -N $\mu\text{g} \cdot \text{ml}^{-1}$	SiO ₄ -Si $\mu\text{g} \cdot \text{ml}^{-1}$	pH	S C C						
		STD	0000	2695	3607	2356	0043389	0000	15405														
101		OBS	0000	2695	36070	2356			15405														
		STD	0010	2695	3607	2356	0043431	0043	15406														
		OBS	0010	2695	36070	2356			15406														
		STD	0020	2695	3607	2356	0043473	0087	15408														
002		OBS	0020	2695	36070	2356			15408														
		OBS	0025	2695	36070	2356			15409														
		STD	0030	2695	3607	2356	0043514	0130	15410														
		OBS	0030	2695	36070	2356			15410														
		STD	0050	2695	3607	2356	0043598	0217	15413														
		OBS	0050	2695	36070	2356			15413														
		STD	0075	2695	3607	2356	0043702	0327	15417														
		OBS	0075	2695	36070	2356			15417														
		STD	0100	2560	3638	2422	0037552	0428	15394														
		OBS	0100	2560	36375	2422			15394														
		STD	0125	2452	3656	2468	0033197	0517	15375														
		OBS	0125	2452	36556	2468			15375														
		STD	0150	2254	3673	2540	0026461	0591	15333														
		OBS	0150	2254	36733	2540			15333														
		OBS	0160	2171	36753	2565			15313														
		STD	0200	2000	3668	2606	0020305	0708	15274														
		OBS	0200	2000	36683	2606			15274														
		STD	0250	1884	3658	2629	0018329	0805	15249														
		OBS	0260	1869	36575	2632			15246														
		STD	0300	1839	3657	2639	0017494	0894	15244														
		OBS	0300	1839	36568	2639			15244														
		STD	0400	1758	3647	2652	0016573	1065	15236														
		OBS	0400	1758	36474	2652			15236														
		STD	0500	1689	3635	2659	0016215	1228	15230														
		OBS	0500	1689	36345	2659			15230														
		STD	0600	1460	3594	2680	0014302	1381	15171														
		OBS	0600	1460	35944	2680			15171														
		STD	0700	1188	3556	2706	0011657	1512	15092														
		OBS	0700	1188	35555	2706			15092														
		STD	0800	0957	3525	2724	0010078	1622	15023														
		OBS	0800	0957	35251	2724			15023														
		STD	0900	0743	3509	2745	0007967	1712	14957														
		OBS	0900	0743	35086	2745			14957														
		STD	1000	0590	3505	2762	0006134	1782	14912														
		OBS	1000	0590	35048	2762			14912														
		STD	1100	0518	3504	2771	0005335	1840	14900														
		OBS	1100	0518	35038	2771			14900														
		STD	1200	0467	3502	2775	0004908	1891	14895														
		OBS	1200	0467	35018	2775			14895														
		STD	1300	0450	3502	2777	0004750	1939	14905														
		OBS	1300	0450	35023	2777			14905														
		STD	1400	0434	3502	2778	0004696	1986	14915														
		OBS	1400	0434	35015	2778			14915														
		STD	1500	0412	3500	2780	0004600	2033	14923														
		OBS	1500	0412	35001	2780			14923														

TABLE IV.—Continued

REFERENCE CITY CODE	SHIP NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	CROSS INDEX	MARSDEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLE'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOCC STATION NUMBER		
							10"	1'	MO DAY HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT.	PER.	SEA		TYPE	AMT.			
31	8007	EV	3421 N	07338 W	116	43	10	25	141	1966	023	023	3931	15	09	2	3		X1	0	3	0034		
						WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. mm	DIR.	SPEED OR FORCE	ASTER (mba)	ORY BULB	WET BULB	VIS. CODE											
						DT	SD	08	504	176	250	222	8	25										
MESSAGE TIME HR. 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C C							
		STD	0000	2401	3634	2467	0032767	0000	15340															
141		OBS	0000	2401	36343	2467			15340															
		STD	0010	2388	3634	2471	0032446	0033	15338															
		OBS	0010	2388	36342	2471			15338															
		STD	0020	2380	3634	2474	0032268	0065	15338															
002		OBS	0020	2380	36341	2474			15338															
		OBS	0025	2380	36341	2474			15339															
		STD	0030	2380	3634	2474	0032308	0097	15340															
		OBS	0030	2380	36341	2474			15340															
		STD	0050	2380	3634	2473	0032395	0162	15343															
		OBS	0050	2380	36340	2473			15343															
		STD	0075	2380	3634	2473	0032495	0243	15347															
		OBS	0075	2380	36340	2473			15347															
		OBS	0085	2380	36341	2474			15349															
		STD	0100	2125	3664	2569	0023460	0313	15290															
		OBS	0100	2125	36642	2569			15290															
		STD	0125	1985	3668	2610	0019706	0367	15257															
		OBS	0125	1985	36675	2610			15257															
		STD	0150	1905	3664	2627	0018091	0414	15239															
		OBS	0150	1905	36635	2627			15239															
		STD	0200	1839	3660	2641	0016948	0502	15228															
		OBS	0200	1839	36595	2641			15228															
		STD	0250	1820	3659	2646	0016701	0586	15231															
		STD	0300	1801	3658	2650	0016498	0669	15233															
		OBS	0300	1801	36579	2650			15233															
		STD	0400	1765	3651	2653	0016457	0834	15238															
		OBS	0400	1765	36513	2653			15238															
		STD	0500	1705	3639	2658	0016300	0997	15236															
		OBS	0500	1705	36385	2658			15236															
		STD	0600	1541	3609	2673	0015041	1154	15199															
		OBS	0600	1541	36086	2673			15199															
		STD	0700	1341	3575	2691	0013487	1297	15147															
		OBS	0700	1341	35750	2691			15147															
		STD	0800	1120	3542	2709	0011757	1423	15084															
		OBS	0800	1120	35424	2709			15084															
		STD	0900	0875	3518	2732	0009400	1529	15008															
		OBS	0900	0875	35180	2732			15008															
		STD	1000	0718	3511	2750	0007539	1614	14964															
		OBS	1000	0718	35114	2750			14964															
		STD	1100	0580	3505	2764	0006087	1682	14925															
		OBS	1100	0580	35053	2764			14925															
		STD	1200	0517	3505	2772	0005321	1739	14916															
		OBS	1200	0517	35054	2772			14916															
		STD	1300	0470	3502	2775	0005055	1791	14913															
		OBS	1300	0470	35018	2775			14913															
		STD	1400	0445	3501	2777	0004894	1840	14920															
		OBS	1400	0445	35008	2777			14920															
		STD	1500	0426	3501	2779	0004715	1888	14929															
		OBS	1500	0426	35011	2779			14929															

TABLE IV.—Continued

REFERENCE CITY CODE	ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARSSEN SQUARE	STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
						10'	1'		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA	TYPE	AMT		
318007		EV	3400 N	07316 W	116 43	10	25	174	1966	024	4480	15	11	3	4		X1	0 3	0035	
		WATER		WIND		BARO- METER (mb)		AIR TEMP. °C		VIS CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS						
		COLOR CODE		TRANS. (m)		DIR.		SPEED OR FORCE		DRY BULB		WET BULB								
		DT		SD		03		S03		156		283		267						
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME AND MALT-X10 ³	Σ Δ D DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	SiO ₄ -Si μg - dl/l	pH	S C C			
174		STD	0000	2428	3628	2455	0033988	0000	15346											
		OBS	0000	2428	36280	2455			15346											
		STD	0010	2409	3628	2461	0033466	0034	15343											
		OBS	0010	2409	36283	2461			15343											
		STD	0020	2397	3629	2465	0033123	0067	15341											
		OBS	0020	2397	36289	2465			15341											
002		OBS	0025	2393	36323	2468			15342											
		STD	0030	2400	3642	2473	0032340	0100	15345											
		OBS	0030	2400	36415	2473			15345											
		OBS	0040	2417	36480	2473			15352											
		STD	0050	2386	3652	2485	0031297	0163	15346											
		OBS	0050	2386	36516	2485			15346											
		STD	0075	2050	3667	2592	0021163	0429	15267											
		OBS	0075	2050	36674	2592			15267											
		OBS	0082	1998	36686	2607			15254											
		STD	0100	1955	3667	2617	0018890	0279	15245											
		OBS	0100	1955	36671	2617			15245											
		STD	0125	1912	3666	2628	0017978	0325	15237											
		OBS	0125	1912	36662	2628			15237											
		STD	0150	1873	3662	2635	0017394	0369	15230											
		OBS	0150	1873	36623	2635			15230											
		STD	0200	1832	3658	2642	0016866	0455	15226											
		OBS	0200	1832	36583	2642			15226											
		STD	0250	1814	3658	2646	0016630	0539	15229											
		STD	0300	1796	3656	2650	0016494	0622	15232											
		OBS	0300	1796	36563	2650			15232											
		STD	0400	1759	3650	2654	0016423	0786	15237											
		OBS	0400	1759	36498	2654			15237											
		STD	0500	1704	3639	2659	0016269	0950	15235											
		OBS	0500	1704	36366	2659			15235											
		STD	0600	1546	3611	2674	0014956	1106	15200											
		OBS	0600	1546	36113	2674			15200											
		STD	0700	1350	3577	2690	0013528	1448	15150											
		OBS	0700	1350	35770	2690			15150											
		STD	0800	1140	3547	2709	0011785	1375	15091											
		OBS	0800	1140	35472	2709			15091											
		STD	0900	0911	3521	2729	0009766	1482	15022											
		OBS	0900	0911	35213	2729			15022											
		STD	1000	0711	3507	2748	0007724	1570	14961											
		OBS	1000	0711	35074	2748			14961											
		STD	1100	0543	3498	2763	0006103	1639	14909											
		OBS	1100	0543	34980	2763			14909											
		STD	1200	0489	3499	2770	0005430	1697	14904											
		OBS	1200	0489	34987	2770			14904											
		STD	1300	0459	3500	2774	0005053	1749	14906											
		OBS	1300	0459	34998	2774			14906											
		STD	1400	0444	3500	2776	0004939	1799	14919											
		OBS	1400	0444	35000	2776			14919											
		STD	1500	0436	3501	2777	0004894	1848	14933											
		OBS	1500	0436	35005	2777			14933											

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° ' /10	LONGITUDE ° ' /10	DRIFT INDIC	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CITY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT
318007		EV	3338 N	07253 W		116	32	10	25	214	1966		025	4718	15	11	2	2		X1	0 3		0036
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB											
						DT	SD	03	503		146	240					220	8	27				
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	S.D.D. GYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P µg - at/l	TOTAL-P µg - at/l	NO ₂ -N µg - at/l	NO ₃ -N µg - at/l	SIO ₄ -Si µg - at/l	pH	°C						
		STD	0000	2509	3647	2444	0034979	0000	15367														
214		OBS	0000	2509	36467	2444			15367														
		STD	0010	2503	3647	2446	0034838	0035	15367														
		OBS	0010	2503	36468	2446			15367														
		STD	0020	2499	3648	2448	0034676	0070	15368														
002		OBS	0020	2499	36480	2448			15368														
		OBS	0025	2499	36486	2449			15369														
		STD	0030	2499	3650	2449	0034610	0104	15370														
		OBS	0030	2499	36495	2449			15370														
		STD	0050	2500	3653	2452	0034455	0173	15374														
		OBS	0050	2500	36532	2452			15374														
		OBS	0064	2504	36560	2453			15377														
		STD	0075	2279	3667	2528	0027304	0251	15326														
		OBS	0075	2279	36670	2528			15326														
		OBS	0090	2141	36684	2568			15293														
		STD	0100	2070	3668	2587	0021736	0312	15276														
		OBS	0100	2070	36682	2587			15276														
		STD	0125	1952	3664	2616	0019145	0363	15248														
		OBS	0125	1952	36638	2616			15248														
		STD	0150	1899	3665	2630	0017657	0409	15237														
		OBS	0150	1899	36647	2630			15237														
		STD	0200	1839	3663	2644	0016717	0496	15228														
		OBS	0200	1839	36627	2644			15228														
		STD	0250	1822	3662	2647	0016533	0579	15232														
		STD	0300	1805	3661	2651	0016370	0601	15235														
		OBS	0300	1805	36610	2651			15235														
		STD	0400	1771	3654	2654	0016391	0825	15241														
		OBS	0400	1771	36542	2654			15241														
		STD	0500	1719	3644	2659	0016231	0988	15241														
		OBS	0500	1719	36440	2659			15241														
		OBS	0560	1707	36432	2651			15247														
		STD	0600	1620	3643	2666	0015776	1146	15225														
		OBS	0600	1620	36230	2666			15225														
		STD	0700	1429	3590	2684	0014245	1298	15177														
		OBS	0700	1429	35900	2684			15177														
		STD	0800	1211	3560	2705	0012203	1430	15117														
		OBS	0800	1211	35603	2705			15117														
		STD	0900	1007	3534	2722	0010555	1544	15059														
		OBS	0900	1007	35335	2722			15059														
		STD	1000	0790	3515	2743	0008415	1639	14992														
		OBS	1000	0790	35149	2743			14992														
		STD	1100	0650	3509	2758	0008021	1715	14953														
		OBS	1100	0650	35092	2758			14953														
		STD	1200	0573	3510	2769	0005773	1778	14940														
		OBS	1200	0573	35100	2769			14940														
		STD	1300	0519	3509	2775	0005181	1833	14934														
		OBS	1300	0519	35093	2775			14934														
		STD	1400	0489	3509	2778	0004675	1883	14939														
		OBS	1400	0489	35093	2778			14939														
		STD	1500	0465	3509	2781	0004644	1931	14946														
		OBS	1500	0465	35093	2781			14946														

TABLE IV.—Continued

REFERENCE	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS DEN SQUARE	STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
					10'	1'		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
318007	EV	3314 N	07213 W	116 32	10	26	018 1966	026		5212	33	06	0	4		XI	0	3	0037
				WATER		WIND		BARO- METER		AIR TEMP. °C		VIS CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS			
				COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB										
				07	50	07	507	146	250	228		8		31					
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME AND MALT-107	Σ Δ D DYN. M. X 10 ⁷	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₂ -N μg - at/l	SIO ₄ -Si μg - at/l	pH	S CC		
		STD	0000	2509	3647	2444	0034979	0000	15367										
	018	OBS	0000	2509	36467	2444			15367										
		STD	0010	2466	3648	2452	0034265	0035	15363										
		OBS	0010	2486	36479	2452			15363										
		STD	0020	2484	3648	2453	0034219	0069	15364										
	002	OBS	0020	2484	36483	2453			15364										
		OBS	0025	2484	36483	2453			15365										
		STD	0030	2484	3648	2453	0034260	0103	15366										
		OBS	0030	2484	36483	2453			15366										
		STD	0050	2464	3649	2453	0034306	0172	15369										
		OBS	0050	2484	36488	2453			15369										
		OBS	0065	2486	36497	2454			15372										
		STD	0075	2326	3662	2511	0026443	0251	15337										
		OBS	0075	2326	36623	2511			15337										
		STD	0100	2088	3670	2584	0022073	0315	15281										
		OBS	0100	2086	36700	2584			15281										
		STD	0125	1981	3670	2613	0019424	0366	15257										
		OBS	0125	1981	36700	2613			15257										
		STD	0150	1923	3669	2627	0018124	0413	15245										
		OBS	0150	1923	36692	2627			15245										
		STD	0200	1859	3664	2639	0017122	0501	15234										
		OBS	0200	1859	36638	2639			15234										
		STD	0250	1832	3662	2645	0016774	0586	15234										
		STD	0300	1807	3659	2649	0016570	0670	15235										
		OBS	0300	1807	36589	2649			15235										
		STD	0400	1760	3651	2654	0016389	0834	15237										
		OBS	0400	1760	36506	2654			15237										
		STD	0500	1711	3642	2659	0016187	0997	15236										
		OBS	0500	1711	36420	2659			15236										
		STD	0600	1622	3626	2668	0015605	1156	15226										
		OBS	0600	1622	36260	2668			15226										
		STD	0700	1449	3589	2679	0014752	1308	15183										
		OBS	0700	1449	35889	2679			15183										
		STD	0800	1232	3563	2703	0012435	1444	15125										
		OBS	0800	1232	35628	2703			15125										
		STD	0900	1010	3535	2722	0010536	1559	15060										
		OBS	0900	1010	35345	2722			15060										
		STD	1000	0806	3514	2740	0008717	1655	14996										
		OBS	1000	0806	35143	2740			14998										
		STD	1100	0651	3509	2758	0006835	1733	14954										
		OBS	1100	0651	35092	2758			14954										
	021	OBS	1178	0573	35043	2764			14935										
		STD	1200	0563	3509	2769	0005710	1795	14935										
		OBS	1200	0563	35089	2769			14935										
		STD	1300	0513	3509	2775	0005126	1850	14932										
		OBS	1300	0513	35069	2775			14932										
		STD	1400	0479	3508	2779	0004803	1899	14935										
		OBS	1400	0479	35084	2779			14935										
		STD	1500	0451	3508	2782	0004551	1946	14940										
		OBS	1500	0451	35080	2782			14940										
	021	OBS	T1675	0420	35001	2779			14955										
		STD	1750	0416	3500	2779	0004893	2064	14966										
		STD	2000	0399	3499	2780	0004951	2137	15001										
	021	OBS	T2174	0384	3488P	2773P													
		STD	2500	0347	3498	2785	0004672	2426	15065										
	021	OBS	T2674	0350	34969	2785			15087										
		STD	3000	0301	3496	2787	0004464	2656	15131										
	021	OBS	T3224	0287	34944	2787			15164										
	021	OBS	3324	0282	34937	2787			15179										

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DIR. INCH	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES		NODC STATION NUMBER
CITY CODE	ID. NO.					10"	1"	MO	DAY	HR, 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT PER	SEA		TYPE	AMT	
318007		EV	3254 N	07136 W		116	21	10	26	075	1966		027	5303	15	06	2		x2	013		0038
		WATER		WIND		AIR TEMP. °C		BARO-METER (mba)	NO. OBS. DEPTHS		SPECIAL OBSERVATIONS											
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	VIS. CODE																
DT	SD	13	505	125	256	233	7	27														
MESSAGE TIME OF HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S C C					
		STD	0000	2459	3633	2449	0034495	0000	15354													
075		OBS	0000	2459	36333	2449			15354													
		STD	0010	2459	3632	2448	0034629	0035	15355													
		OBS	0010	2459	36320	2448			15355													
002		STD	0020	2447	3632	2452	0034518	0069	15354													
		OBS	0020	2447	36321	2452			15354													
		OBS	0025	2441	36321	2454			15353													
		STD	0030	2440	3633	2455	0034114	0103	15354													
		OBS	0030	2440	36327	2455			15354													
		STD	0050	2437	3633	2456	0034059	0171	15357													
		OBS	0050	2437	36334	2456			15357													
		OBS	0059	2429	36334	2458			15356													
		STD	0075	2146	3667	2566	0023717	0244	15292													
		OBS	0075	2146	36670	2566			15292													
		STD	0100	2012	3667	2602	0020334	0299	15261													
		OBS	0100	2012	36670	2602			15261													
		STD	0125	1942	3666	2620	0018751	0348	15245													
		OBS	0125	1942	36658	2620			15245													
		STD	0150	1899	3665	2630	0017842	0393	15237													
		OBS	0150	1899	36649	2630			15237													
		STD	0200	1838	3662	2643	0016743	0480	15228													
		OBS	0200	1838	36620	2643			15228													
		STD	0250	1823	3662	2647	0016557	0563	15232													
		STD	0300	1806	3660	2650	0016466	0646	15235													
		OBS	0300	1806	36600	2650			15235													
		STD	0400	1769	3653	2654	0016415	0810	15240													
		OBS	0400	1769	36532	2654			15240													
		STD	0500	1717	3643	2659	0016227	0973	15240													
		OBS	0500	1717	36434	2659			15240													
		STD	0600	1579	3616	2670	0015354	1131	15211													
		OBS	0600	1579	36160	2670			15211													
		STD	0700	1319	3574	2694	0015109	1273	15139													
		OBS	0700	1319	35740	2694			15139													
		OBS	0750	1160	35490	2706			15090													
		STD	0800	1092	3540	2712	0011417	1396	15073													
		OBS	0800	1092	35399	2712			15073													
		STD	0900	0980	3526	2721	0010620	1506	15046													
		OBS	0900	0980	35260	2721			15046													
		OBS	0970	0935	35259	2728			15043													
		STD	1000	0860	3521	2737	0009096	1605	15019													
		OBS	1000	0860	35213	2737			15019													
		STD	1100	0665	3514	2759	0006724	1684	14960													
		OBS	1100	0665	35136	2759			14960													
		STD	1200	0568	3510	2770	0005679	1746	14938													
		OBS	1200	0568	35103	2770			14938													
		STD	1300	0520	3509	2774	0005209	1800	14935													
		OBS	1300	0520	35091	2774			14935													
		STD	1400	0461	3509	2779	0004601	1850	14935													
		OBS	1400	0461	35088	2779			14935													
		STD	1500	0460	3508	2780	0004697	1898	14943													
		OBS	1500	0460	35077	2780			14943													

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS DEN SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER								
CITY CODE	ID. NO.					10"		1'			CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT									
						10"	1'	MO	DAY	HR. 1/10																				
31	8007	EV	3234 N	07121 W	116	21	10	26	105	1965	028		5303	15	06	2			X1	0	3	0039								
		WATER		WIND		BARO- METER (mbx)		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS																		
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE			DRY BULB	WET BULB																					
		DT	SD	14	SU5	119		261	244	7	25																			
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t		Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	°C												
		STD	0000	2479	3638	2447	0034741		0000	15359																				
		OBS	0000	2479	36379	2447				15359																				
		STD	0010	2479	3639	2448	0034681		0035	15361																				
		OBS	0010	2479	36393	2448				15361																				
		STD	0020	2479	3640	2448	0034693		0069	15362																				
		OBS	0020	2479	36397	2448				15362																				
		OBS	0025	2479	36405	2449				15363																				
		STD	0030	2479	3641	2449	0034619		0104	15364																				
		OBS	0030	2479	36413	2449				15364																				
		STD	0050	2476	3641	2450	0034614		0173	15367																				
		OBS	0050	2476	36413	2450				15367																				
		OBS	0060	2476	36413	2450				15368																				
		STD	0075	2219	3663	2542	0025950		0249	15310																				
		OBS	0075	2219	36631	2542				15310																				
		STD	0100	2049	3669	2594	0021136		0308	15271																				
		OBS	0100	2049	36690	2594				15271																				
		STD	0125	1930	3667	2624	0018366		0357	15242																				
		OBS	0125	1930	36670	2624				15242																				
		STD	0150	1888	3665	2633	0017587		0402	15234																				
		OBS	0150	1888	36647	2633				15234																				
		STD	0200	1844	3663	2642	0016845		0488	15230																				
		OBS	0200	1844	36626	2642				15230																				
		STD	0250	1826	3662	2646	0016629		0572	15233																				
		STD	0300	1808	3661	2650	0016464		0655	15236																				
		OBS	0300	1808	36607	2650				15236																				
		STD	0400	1770	3653	2654	0016425		0819	15240																				
		OBS	0400	1770	36534	2654				15240																				
		STD	0500	1720	3644	2659	0016262		0983	15241																				
		OBS	0500	1720	36439	2659				15241																				
		STD	0600	1613	3622	2668	0015660		1142	15222																				
		OBS	0600	1613	36224	2668				15222																				
		STD	0700	1405	3585	2685	0014076		1291	15169																				
		OBS	0700	1405	35853	2685				15169																				
		STD	0800	1190	3555	2705	0012178		1422	15110																				
		OBS	0800	1190	35550	2705				15110																				
		STD	0900	0940	3528	2729	0009754		1532	15034																				
		OBS	0900	0940	35283	2729				15034																				
		STD	1000	0762	3514	2746	0008020		1621	14981																				
		OBS	1000	0762	35142	2746				14981																				
		STD	1100	0635	3509	2760	0006621		1694	14947																				
		OBS	1100	0635	35089	2760				14947																				
		STD	1200	0542	3509	2772	0005413		1754	14927																				
		OBS	1200	0542	35089	2772				14927																				
		STD	1300	0511	3510	2776	0005010		1806	14931																				
		OBS	1300	0511	35101	2776				14931																				
		STD	1400	0479	3508	2778	0004632		1855	14935																				
		OBS	1400	0479	35080	2778				14935																				
		STD	1500	0452	3507	2781	0004623		1903	14940																				
		OBS	1500	0452	35072	2781				14940																				

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° ' /10	LONGITUDE ° ' /10	DEPTH INDICATOR	MAPSDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10	CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT	
31	8007	EV	3215 N	07053 W		116	20	10	26	146	1966	029	5349	15	20	2	2		X1	0	3	0040
		WATER		WIND		SARD- METER (mba)	AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB														
		DT	SD	23	506	132	267	256	7	25												
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{ml/l}$	TOTAL-P $\mu\text{g} - \text{ml/l}$	NO ₃ -N $\mu\text{g} - \text{ml/l}$	NO ₃ -N $\mu\text{g} - \text{ml/l}$	SiO ₄ -Si $\mu\text{g} - \text{ml/l}$	pH	S IC					
		STD	0000	2436	3633	2456	0033857	0000	15348													
146		OBS	0000	2436	36330	2456			15348													
		STD	0010	2432	3632	2456	0033855	0034	15349													
		OBS	0010	2432	36320	2456			15349													
		STD	0020	2417	3629	2459	0033698	0068	15346													
002		OBS	0020	2417	36288	2459			15346													
		OBS	0025	2417	36283	2459			15347													
		STD	0030	2416	3629	2459	0033710	0101	15348													
		OBS	0030	2416	36288	2459			15348													
		STD	0050	2416	3629	2459	0033797	0169	15351													
		OBS	0050	2416	36237	2459			15351													
		OBS	0065	2414	36288	2459			15353													
		STD	0075	2249	3662	2533	0026844	0245	15318													
		OBS	0075	2249	36620	2533			15318													
		STD	0100	2015	3669	2603	0020287	0304	15262													
		OBS	0100	2015	36687	2603			15262													
		STD	0125	1916	3666	2626	0018099	0352	15238													
		OBS	0125	1916	36659	2626			15238													
		STD	0150	1877	3663	2635	0017419	0396	15231													
		OBS	0150	1877	36633	2635			15231													
		STD	0200	1839	3666	2646	0016485	0481	15229													
		OBS	0200	1839	36659	2646			15229													
		STD	0250	1823	3663	2648	0016484	0563	15232													
		OBS	0300	1808	3660	2650	0016493	0646	15236													
		STD	0300	1808	36603	2650			15236													
		OBS	0400	1783	3657	2653	0016504	0811	15244													
		STD	0400	1783	36566	2653			15244													
		OBS	0500	1729	3646	2658	0016358	0975	15244													
		STD	0500	1729	36455	2658			15244													
		OBS	0600	1606	3622	2669	0015537	1134	15220													
		STD	0600	1606	36219	2669			15220													
		OBS	0700	1401	3583	2688	0013603	1281	15168													
		STD	0700	1401	35879	2688			15168													
		OBS	0800	1173	3552	2706	0012060	1410	15103													
		STD	0800	1173	35521	2706			15103													
		OBS	0900	0925	3526	2730	0009663	1219	15028													
		STD	0900	0925	35260	2730			15028													
		OBS	1000	0748	3512	2747	0007960	1607	14976													
		STD	1000	0748	35120	2747			14976													
		OBS	1100	0638	3511	2761	0006533	1680	14949													
		STD	1100	0638	35107	2761			14949													
		OBS	1200	0548	3510	2772	0005424	1739	14929													
		STD	1200	0548	35099	2772			14929													
		OBS	1300	0499	3509	2777	0004910	1791	14926													
		STD	1300	0499	35092	2777			14926													
		OBS	1400	0477	3509	2779	0004760	1839	14934													
		STD	1400	0477	35086	2779			14934													
		OBS	1500	0453	3508	2781	0004578	1886	14941													
		STD	1500	0453	35080	2781			14941													

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	IQ. NO.					MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	WGT	PER	SEA		TYPE	AMT	
31	8007	EV	3157 N	07022 W	116	10	26	178	1966	030		5400	15	23	2	4		X1	0	3	0041
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIR. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	DIR.	FORCE	DRY BULB	WET BULB	DRY BULB	WET BULB												
DT	SD	24	510	129	272	261	7	24													
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta \rho$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{dl/l}$	TOTAL-P $\mu\text{g} \cdot \text{dl/l}$	NO ₂ -N $\mu\text{g} \cdot \text{dl/l}$	NO ₃ -N $\mu\text{g} \cdot \text{dl/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{dl/l}$	pH	S	CL			
		STD	0000	2476	3636	2446	0034820	0000	15358												
178		OBS	0000	2476	36356	2446			15358												
		STD	0010	2474	3635	2446	0034868	0035	15359												
		OBS	0010	2474	36347	2446			15359												
		STD	0020	2480	3640	2448	0034701	0070	15363												
002		OBS	0020	2480	36400	2448			15363												
		OBS	0025	2490	36460	2450			15366												
		STD	0030	2489	3646	2450	0034571	0104	15367												
		OBS	0030	2489	36460	2450			15367												
		STD	0050	2478	3643	2451	0034535	0173	15367												
		OBS	0050	2478	36432	2451			15367												
		STD	0075	2198	3665	2550	0025247	0248	15305												
		OBS	0075	2198	36650	2550			15305												
		STD	0100	2010	3669	2604	0020160	0305	15260												
		OBS	0100	2010	36687	2604			15260												
		STD	0125	1939	3668	2622	0018553	0353	15245												
		OBS	0125	1939	36675	2622			15245												
		STD	0150	1887	3665	2633	0017540	0393	15234												
		OBS	0150	1887	36650	2633			15234												
		STD	0200	1841	3662	2643	0016816	0484	15229												
		OBS	0200	1841	36620	2643			15229												
		STD	0250	1823	3661	2646	0016629	0568	15232												
		STD	0300	1806	3660	2650	0016488	0651	15235												
		OBS	0300	1806	36597	2650			15235												
		STD	0400	1775	3654	2653	0016500	0816	15242												
		OBS	0400	1775	36540	2653			15242												
		STD	0500	1721	3643	2658	0016321	0980	15241												
		OBS	0500	1721	36434	2658			15241												
		STD	0600	1605	3617	2666	0015839	1141	15219												
		OBS	0600	1605	36174	2666			15219												
		STD	0700	1371	3580	2688	0013739	1488	15157												
		OBS	0700	1371	35801	2688			15157												
		STD	0800	1118	3546	2712	0011465	1+14	15082												
		OBS	0800	1118	35459	2712			15083												
		STD	0900	0907	3523	2731	0009552	1520	15021												
		OBS	0900	0907	35233	2731			15021												
		STD	1000	0739	3510	2750	0007015	1605	14972												
		OBS	1000	0739	35148	2750			14972												
		STD	1100	0603	3508	2763	0006219	1675	14935												
		OBS	1100	0603	35080	2763			14935												
		STD	1200	0537	3508	2772	0005409	1733	14925												
		OBS	1200	0537	35080	2772			14925												
		STD	1300	0500	3510	2777	0004901	1784	14927												
		OBS	1300	0500	35095	2777			14927												
		STD	1400	0480	3509	2779	0004772	1833	14935												
		OBS	1400	0480	35090	2779			14935												
		STD	1500	0441	3507	2782	0004523	1879	14935												
		OBS	1500	0441	35065	2782			14935												

TABLE IV.—Continued

REFERENCE	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARDEN SQUARE	STATION TIME (GMT)	YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WFA-THER CODE	CLOUD CODES	NOCC STATION NUMBER	
							CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA			
318007	EV	3156 N	06909 W	115 19	10 27 018	1966	031		5121	15	20	1	2		X1	03	0042
				WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS					
				COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mb)	DRY BULB	WET BULB	VIS. CODE						
				DT	SD	26	S10	142	272	217	7	25					
MESSAGE TIME OF HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME AND MALT-10 ³	Σ Δ D DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	SiO ₄ -Si μg - dl/l	pH	3 C C
018		STD	0000	2540	3648	2436	0035794	0000	15374								
		OBS	0000	2540	36480	2436			15374								
002		STD	0010	2540	3648	2436	0035835	0036	15376								
		OBS	0010	2540	36480	2436			15376								
		STD	0020	2540	3650	2437	0035732	0072	15378								
		OBS	0020	2540	36500	2437			15378								
		OBS	0025	2542	36520	2438			15379								
		STD	0030	2550	3658	2440	0035493	0107	15383								
		OBS	0030	2550	36580	2440			15383								
		STD	0050	2553	3663	2443	0035305	0178	15387								
		OBS	0050	2553	36630	2443			15387								
		OBS	0060	2360	36769	2512			15345								
		STD	0075	2210	3674	2553	0024921	0253	15309								
		OBS	0075	2210	36740	2553			15309								
		STD	0100	2049	3666	2591	0021353	0311	15270								
		OBS	0100	2049	36660	2591			15270								
		STD	0125	1981	3665	2609	0019757	0363	15256								
		OBS	0125	1981	36654	2609			15256								
		STD	0150	1919	3666	2626	0018256	0410	15243								
		OBS	0150	1919	36660	2626			15243								
		STD	0200	1849	3659	2638	0017219	0499	15231								
		OBS	0200	1849	36591	2638			15231								
		STD	0250	1825	3658	2644	0016894	0584	15232								
		OBS	0300	1802	3656	2648	0016659	0668	15233								
		STD	0300	1802	36560	2648			15233								
		OBS	0400	1759	3649	2653	0016510	0834	15236								
		STD	0400	1759	36486	2653			15236								
		OBS	0500	1701	3638	2659	0016249	0998	15234								
		STD	0500	1701	36379	2659			15234								
		OBS	0600	1581	3615	2669	0015500	1156	15212								
		STD	0600	1581	36146	2669			15212								
		OBS	0700	1360	3578	2689	0013633	1302	15153								
		STD	0700	1360	35784	2689			15153								
		OBS	0800	1139	3549	2710	0011621	1428	15091								
		STD	0800	1139	35492	2710			15091								
		OBS	0900	0898	3522	2731	0009509	1534	15017								
		STD	0900	0898	35218	2731			15017								
		OBS	1000	0722	3512	2750	0007593	1619	14965								
		STD	1000	0722	35115	2750			14965								
		OBS	1100	0612	3509	2763	0006313	1689	14938								
		STD	1100	0612	35085	2763			14938								
		OBS	1200	0550	3510	2771	0005467	1748	14930								
		STD	1200	0550	35097	2771			14930								
		OBS	1300	0516	3509	2775	0005146	1801	14933								
		STD	1300	0516	35092	2775			14933								
		OBS	1400	0484	3509	2779	0004828	1851	14937								
		STD	1400	0484	35090	2779			14937								
		OBS	1500	0454	3507	2780	0004694	1898	14941								
		STD	1500	0454	35066	2780			14941								

TABLE IV.—Continued

REFERENCE	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	MARDEN SQUARE	STATION TIME (GMT)	YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
							CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA	TYPE	AMT	
318007	EV	3155 N	0603 W	115 18	10 27 075	1966	032		5212	15	24	2	3	X1	0	3	0043
		WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS						
		COLOR CODE	TRANS. MM	DIR.	SPEED OR FORCE		DRY BULB	WET BULB									
		DT	SD	25	510	125	261	239	7	24							
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANDWALT-10 ³	Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₃ -N μg - at/l	SIO ₄ -Si μg - at/l	pH	SCC
		STD	0000	2580	3646	2422	0037120	0000	15383								
	075	OBS	0000	2580	36460	2422			15383								
		STD	0010	2580	3646	2422	0037161	0037	15385								
		OBS	0010	2580	36460	2422			15385								
		STD	0020	2580	3646	2422	0037203	0074	15386								
	002	OBS	0020	2580	36460	2422			15386								
		OBS	0025	2580	36460	2422			15387								
		STD	0030	2580	3646	2422	0037244	0112	15388								
		OBS	0030	2580	36460	2422			15388								
		STD	0050	2582	3654	2427	0036848	0186	15393								
		OBS	0050	2582	36535	2427			15393								
		STD	0075	2330	3671	2516	0028414	0267	15339								
		OBS	0075	2330	36714	2516			15339								
		STD	0100	2128	3672	2574	0022976	0331	15292								
		OBS	0100	2128	36720	2574			15292								
		STD	0125	2011	3671	2605	0020149	0385	15265								
		OBS	0125	2011	36705	2605			15265								
		STD	0150	1930	3668	2625	0018370	0434	15246								
		OBS	0150	1930	36682	2625			15246								
		STD	0200	1851	3663	2641	0016978	0522	15232								
		OBS	0200	1851	36631	2641			15232								
		STD	0250	1828	3662	2646	0016677	0606	15233								
		STD	0300	1809	3660	2649	0016538	0669	15236								
		OBS	0300	1809	36600	2649			15236								
		STD	0400	1780	3655	2652	0016569	0855	15243								
		OBS	0400	1780	36547	2652			15243								
		STD	0500	1719	3643	2658	0016339	1019	15240								
		OBS	0500	1719	36425	2658			15240								
		STD	0600	1603	3620	2668	0015613	1179	15219								
		OBS	0600	1603	36199	2668			15219								
		STD	0700	1399	3588	2689	0013746	1326	15167								
		OBS	0700	1399	35881	2689			15167								
		STD	0800	1179	3554	2707	0012052	1455	15106								
		OBS	0800	1179	35538	2707			15106								
		STD	0900	0934	3526	2729	0004618	1564	15031								
		OBS	0900	0934	35260	2729			15031								
		STD	1000	0741	3513	2749	0007756	1652	14973								
		OBS	1000	0741	35133	2749			14973								
		STD	1100	0606	3510	2765	0006109	1721	14936								
		OBS	1100	0606	35101	2765			14936								
		STD	1200	0537	3509	2772	0005365	1779	14925								
		OBS	1200	0537	35086	2772			14925								
		STD	1300	0495	3508	2777	0004942	1830	14924								
		OBS	1300	0495	35080	2777			14924								
		STD	1400	0469	3508	2779	0004709	1878	14930								
		OBS	1400	0469	35078	2779			14930								
		STD	1500	0448	3507	2781	0004605	1925	14938								
		OBS	1500	0448	35067	2781			14938								

TABLE IV.—Continued

REFERENCE	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS DEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLER	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER					
					MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT						
313007	EV	3155 N	06656 W	115	16	10	27	131	1966	033	4938	15	24	2	2		X1	0	3	0044					
				WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS												
				COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE		DRY BULB	WET BULB															
				DI	SD	22	S10	156	267	244	7	25													
MESSAGE TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{dl/l}$	TOTAL-P $\mu\text{g} \cdot \text{dl/l}$	NO ₂ -N $\mu\text{g} \cdot \text{dl/l}$	NO ₃ -N $\mu\text{g} \cdot \text{dl/l}$	SIO ₄ -Si $\mu\text{g} \cdot \text{dl/l}$	PH	S C								
		STD	0000	2500	3644	2445	0034933	0000	15364																
131		OBS	0000	2500	36437	2445			15364																
		STD	0010	2499	3644	2445	0034959	0035	15366																
		OBS	0010	2499	36435	2445			15366																
002		STD	0020	2499	3644	2445	0034972	0070	15367																
		OBS	0020	2499	36439	2445			15367																
		OBS	0025	2502	36470	2447			15369																
		STD	0030	2502	3647	2447	0034863	0105	15370																
		OBS	0030	2502	36472	2447			15370																
		OBS	0040	2505	36488	2447			15373																
		STD	0050	2455	3650	2463	0033417	0173	15363																
		OBS	0050	2455	36495	2463			15363																
		STD	0075	2113	3668	2576	0022768	0243	15284																
		OBS	0075	2113	36681	2576			15284																
		STD	0100	1960	3666	2615	0019065	0296	15246																
		OBS	0100	1960	36664	2615			15246																
		STD	0125	1905	3665	2629	0017885	0342	15235																
		OBS	0125	1905	36651	2629			15235																
		STD	0150	1659	3662	2638	0017061	0386	15226																
		OBS	0150	1859	36622	2638			15226																
		STD	0200	1820	3660	2646	0016462	0469	15223																
		OBS	0200	1820	36599	2646			15223																
		STD	0250	1812	3659	2648	0016509	0552	15228																
		STD	0300	1797	3657	2650	0016453	0634	15232																
		OBS	0300	1797	36572	2650			15232																
		STD	0400	1744	3648	2656	0016184	0797	15232																
		OBS	0400	1744	36482	2656			15232																
		STD	0500	1700	3640	2661	0016074	0959	15234																
		OBS	0500	1700	36400	2661			15234																
		STD	0600	1540	3609	2674	0014968	1114	15198																
		OBS	0600	1540	36093	2674			15198																
		STD	0700	1365	3582	2691	0013462	1256	15155																
		OBS	0700	1365	35822	2691			15155																
		STD	0800	1151	3551	2710	0011689	1382	15096																
		OBS	0800	1151	35514	2710			15096																
		STD	0900	0923	3523	2728	0009826	1489	15027																
		OBS	0900	0923	35233	2728			15027																
		STD	1000	0741	3511	2747	0007895	1578	14973																
		OBS	1000	0741	35114	2747			14973																
		STD	1100	0621	3510	2763	0006334	1649	14942																
		OBS	1100	0621	35100	2763			14942																
		STD	1200	0556	3510	2771	0005558	1709	14933																
		OBS	1200	0558	35100	2771			14933																
		STD	1300	0521	3511	2776	0005092	1762	14935																
		OBS	1300	0521	35109	2776			14935																
		STD	1400	0497	3511	2779	0004841	1811	14942																
		OBS	1400	0497	35113	2779			14942																
		STD	1500	0479	3512	2781	0004670	1859	14952																
		OBS	1500	0479	35117	2781			14952																

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	MARS SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO		DAY	HR. 1/10			CRUISE NO.	STATION NUMBER	DIR.		HGT	PER		SEA
318007	EV		3154 N	06543 W	115	15	10	27 187	1966		034	4755	10	24	2	4		X1	0 3		0045
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	(mb)	(mb)	DRY BULB	WET BULB								
						DT	SD	21	512	146		250	239	7	21						
MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- $\times 10^7$	$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	STATION NUMBER				
		STD	0000	2519	3626	2426	0036732	0000	15367												
	187	OBS	0000	2519	36264	2426			15367												
		STD	0010	2515	3625	2426	0036743	0037	15367												
		OBS	0010	2515	36252	2426			15367												
		STD	0020	2504	3626	2430	0036376	0073	15367												
	001	OBS	0020	2504	36264	2430			15367												
		OBS	0025	2503	36265	2431			15367												
		STD	0030	2502	3627	2431	0036345	0110	15368												
		OBS	0030	2502	36266	2431			15368												
		STD	0050	2502	3631	2435	0036096	0182	15372												
		OBS	0050	2502	36312	2435			15372												
		STD	0075	2443	3661	2475	0032347	0268	15365												
		OBS	0075	2443	36610	2475			15365												
		STD	0100	2070	3666	2585	0021916	0335	15276												
		OBS	0100	2070	36657	2585			15276												
		STD	0125	1912	3659	2622	0018506	0386	15236												
		OBS	0125	1912	36589	2622			15236												
		OBS	0139	1847	36577	2638			15220												
		STD	0150	1841	3658	2639	0016951	0430	15220												
		OBS	0150	1841	36577	2639			15220												
		STD	0200	1829	3657	2642	0016674	0515	15225												
		OBS	0200	1829	36572	2642			15225												
		STD	0250	1797	3653	2647	0016584	0599	15223												
		STD	0300	1770	3650	2651	0016338	0681	15223												
		OBS	0300	1770	36499	2651			15223												
		STD	0400	1730	3643	2656	0016215	0844	15227												
		OBS	0400	1730	36432	2656			15227												
		STD	0500	1679	3632	2660	0016156	1005	15227												
		OBS	0500	1679	36321	2660			15227												
		STD	0600	1520	3604	2675	0014881	1161	15191												
		OBS	0600	1520	36044	2675			15191												
		STD	0700	1280	3565	2695	0013010	1300	15125												
		OBS	0700	1280	35645	2695			15125												
		STD	0800	1160	3544	2703	0012370	1427	15098												
		OBS	0800	1160	35444	2703			15098												
		STD	0900	1004	3531	2721	0010683	1542	15057												
		OBS	0900	1004	35310	2721			15057												
		STD	1000	0842	3517	2736	0009110	1641	15012												
		OBS	1000	0842	35170	2736			15012												
		OBS	1050	0720	35070	2747			14972												

REFERENCE CTRY CODE	SHIP ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRAFT INDEX	MARS SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
						10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
318007	EV		3154 N	06543 W		115	15	10	27	198	1966		034	4755	31	24	2	4		XI	7	7	0046
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB											
									21	512	146	250	239	7	06								
MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- $\times 10^7$	$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S C						
		STD	0000	2520	3627	2426	0036733	0000	15367														
	198	OBS	0000	2520	36268	2426			15367														
		STD	0010	2512	3628	2429	0036483	0037	15367														
	198	OBS	0010	2512	36276	2429			15367														
	198	OBS	11534	0437	35002	2777			14939														
		STD	1750	0411	3499	2779	0004897		14964														
		STD	2000	0383	3498	2781	0004797		14995														
	198	OBS	2057	0377	34979	2781			15002														
		STD	2500	0338	3497	2785	0004612		15062														
	198	OBS	2579	0331	34965	2785			15071														
		STD	3000	0289	3494	2787	0004424		15126														
	198	OBS	3100	0279	34935	2787			15139														

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	OBS. NO.	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLE	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CRUISE CODE	ID. NO.					10°	1°	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA	TYPE	AMT		
31	8007	EV	32250N	064308W		115	24	10	28	031	1966		035	1884	14	17	2	4		11	0	3	0047
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
COLOR CODE	TRANS. ml	DIR.	SPEED OR FORCE	IMBLS	DRY BULB	WET BULB	DT							SD	20	S15	152	250	233	8	27		
MESSAGE TIME HR 1/10	CASST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{dl/l}$	TOTAL-P $\mu\text{g} \cdot \text{dl/l}$	NO ₂ -N $\mu\text{g} \cdot \text{dl/l}$	NO ₃ -N $\mu\text{g} \cdot \text{dl/l}$	SIO ₄ -Si $\mu\text{g} \cdot \text{dl/l}$	pH	S C					
		STO	0000	2467	3634	2447	0034668	0000	15356														
		OBS	0000	2467	36341	2447			15356														
		STO	0010	2465	3634	2448	0034644	0035	15357														
		OBS	0010	2465	36342	2448			15357														
		STO	0020	2464	3637	2450	0034483	0069	15358														
		OBS	0020	2464	36366	2450			15358														
		OBS	0025	2464	36367	2450			15359														
		STO	0030	2460	3637	2451	0044408	0104	15359														
		OBS	0030	2460	36366	2451			15359														
		STO	0050	2405	3639	2470	0032743	0171	15349														
		OBS	0050	2405	36390	2470			15349														
		STO	0075	2260	3653	2523	0027800	0246	15320														
		OBS	0075	2260	36529	2523			15320														
		STO	0100	1959	3659	2610	0019597	0306	15245														
		OBS	0100	1959	36587	2610			15245														
		OBS	0118	1873	36589	2632			15224														
		STO	0125	1871	3659	2635	0017517	0352	15225														
		OBS	0125	1871	36587	2633			15225														
		STO	0150	1840	3657	2639	0016949	0395	15220														
		OBS	0150	1840	36574	2639			15220														
		STO	0200	1812	3656	2645	0016574	0479	15220														
		OBS	0200	1812	36557	2645			15220														
		STO	0250	1791	3653	2648	0016441	0562	15222														
		STO	0300	1769	3650	2651	0016314	0643	15223														
		OBS	0300	1769	36499	2651			15223														
		STO	0400	1726	3641	2655	0016302	0807	15226														
		OBS	0400	1726	36407	2655			15226														
		OBS	0460	1688	36357	2660			15224														
		STO	0500	1620	3622	2666	0015512	0966	15208														
		OBS	0500	1620	36223	2666			15208														
		STO	0600	1493	3601	2678	0014573	1116	15182														
		OBS	0600	1493	36005	2678			15182														
		STO	0700	1420	3588	2684	0014234	1260	15174														
		OBS	0700	1420	35875	2684			15174														
		STO	0800	1304	3569	2694	0013438	1398	15150														
		OBS	0800	1304	35689	2694			15150														
		OBS	0880	1198	35546	2703			15125														
		STO	0900	1097	3540	2711	0011753	1524	15092														
		OBS	0900	1097	35397	2711			15092														
		OBS	0950	1031	35342	2718			15076														
		STO	1000	0800	3514	2740	0008671	1626	14996														
		OBS	1000	0800	35136	2740			14996														
		STO	1100	0619	3505	2759	0006686	1703	14941														
		OBS	1100	0619	35048	2759			14941														
		STO	1200	0563	3508	2766	0005805	1766	14935														
		OBS	1200	0563	35076	2768			14935														
		STO	1300	0523	3506	2771	0005508	1822	14935														
		OBS	1300	0523	35056	2771			14935														
		STO	1400	0471	3503	2775	0005116	1875	14930														
		OBS	1400	0471	35026	2775			14930														

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	MARS SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOCC STATION NUMBER			
CTRY CODE	IO. NO.					10"	1'	MO	DAY		HR. 1/10	CRUISE NO.			STATION NUMBER	DIR	HGT	PER		SEA	TYPE		AMT		
31	8007	EV	3315 N	06335 W		115	33	10	31	047	1966		036		4481	16	03	5	3		X2	5	9		0048
						WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS										
		COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE			DRY BULB	WET BULB																
					02	515	186	211	167	7	11														
MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY— $\times 10^3$	$\Sigma \Delta \sigma_t$ DYN. M. K 10^3	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S CODE								
		STD	0010	2442																					
047		OBS	0010	2442	3501P	2354P																			
		STD	0020	2439																					
047		OBS	0025	2438	3502P	2356P																			
		STD	0030	2438																					
		STD	0050	2438																					
047		OBS	0051	2438	3507P	2360P																			
		STD	0075	2246																					
		STD	0100	2085																					
		STD	0125	1961																					
		STD	0150	1877																					
047		OBS	0151	1874	3653P	2627P																			
		STD	0200	1826																					
047		OBS	T0202	1824	3656P	2642P																			
		STD	0250	1808																					
		STD	0300	1790																					
047		OBS	0304	1788	3659P	2654P																			
		STD	0400	1754																					
047		OBS	T0431	1732	3662P	2670P																			
		STD	0500	1623																					
		STD	0600	1460																					
		STD	0700	1294																					
047		OBS	T0710	1277	3643P	2756P																			
		STD	0800	1047																					
		STD	0900	0836																					
		STD	1000	0672																					
		STD	1100	0555																					
047		OBS	T1130	0524	3643P	2879P																			
		STD	1200	0504																					
		STD	1300	0472																					
047		OBS	T1329	0464	3643P	2887P																			
		STD	1400	0446																					
		STD	1500	0424																					
047		OBS	T1641	0403	3646P	2896P																			

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DATE MO DAY HR. 1/10	MARDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA	TYPE	AMT	
31	8007	EV	3356 N	06234 W	115 32 10 31 122	115	32	10	31	122	1966	037	4207	15	25	5	3		x1	013	0049
		CASE NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta$ D DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S C C			
MESSENGER TIME OF DAY 1/10																					
			STD	0000	2378	3619	2463	0033212	0000	15332											
122			OBS	0000	2378	36191	2463			15332											
			STD	0010	2378	3619	2463	0033252	0033	15334											
			OBS	0010	2378	36191	2463			15334											
			STD	0020	2379	3619	2463	0033306	0067	15336											
002			OBS	0020	2379	36193	2463			15336											
			OBS	0025	2379	36193	2463			15337											
			STD	0030	2379	3619	2463	0033346	0100	15338											
			OBS	0030	2379	36193	2463			15338											
			STD	0050	2379	3620	2463	0033411	0167	15341											
			OBS	0050	2379	36195	2463			15341											
			STD	0075	2380	3623	2465	0033265	0250	15346											
			OBS	0075	2380	36233	2465			15346											
			STD	0100	2254	3665	2533	0026884	0325	15343											
			OBS	0100	2254	36647	2533			15323											
			STD	0125	2080	3670	2586	0021945	0386	15283											
			OBS	0125	2080	36702	2586			15283											
			STD	0150	1992	3669	2609	0019889	0438	15264											
			OBS	0150	1992	36667	2609			15264											
			STD	0200	1889	3662	2630	0017985	0533	15242											
			OBS	0200	1889	36620	2630			15242											
			STD	0250	1844	3660	2640	0017209	0621	15238											
			STD	0300	1811	3657	2647	0016789	0706	15236											
			OBS	0300	1811	36572	2647			15236											
			STD	0400	1780	3653	2651	0016714	0874	15243											
			OBS	0400	1780	36527	2651			15243											
			STD	0500	1721	3643	2658	0016372	1039	15241											
			OBS	0500	1721	36427	2658			15241											
			STD	0600	1617	3619	2664	0015967	1201	15223											
			OBS	0600	1617	36194	2664			15223											
			STD	0700	1368	3577	2686	0013930	1350	15156											
			OBS	0700	1368	35766	2686			15156											
			STD	0800	1144	3546	2707	0011949	1480	15092											
			OBS	0800	1144	35460	2707			15092											
			STD	0900	0909	3521	2729	0009769	1588	15021											
			OBS	0900	0909	35208	2729			15021											
			STD	1000	0679	3503	2749	0007539	1675	14948											
			OBS	1000	0679	35033	2749			14948											
			STD	1100	0578	3507	2765	0005971	1742	14924											
			OBS	1100	0578	35065	2765			14924											
			STD	1200	0523	3506	2771	0005982	1799	14919											
			OBS	1200	0523	35057	2771			14919											
			STD	1300	0487	3505	2775	0005037	1851	14921											
			OBS	1300	0487	35052	2775			14921											
			STD	1400	0458	3504	2777	0004873	1901	14925											
			OBS	1400	0458	35035	2777			14925											
			STD	1500	0436	3502	2779	0004755	1949	14933											
			OBS	1500	0436	35024	2779			14933											

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH FATHOMS	MARSOEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOCC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	WGT	PER	SEA		TYPE	AMT	
31	8007	EV	34400N	061255W		115	41	10	31	193	1966	038		4207	15	34	4	2		X1	0	3	0050
		WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS											
		COLOR CODE	TRANS. mm	DIR.	SPEED OF FORCE	DRY BULB	WET BULB	VIS. CODE															
		DT	SD	03	S08	234	206	161	7	27													
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ σ OYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	SiO ₄ -Si μg - dl/l	pH	S C						
193		STD	0000	2333	3615	2473	0032285	0000	15321														
		OBS	0000	2333	36145	2473			15321														
		STD	0010	2333	3615	2473	0032324	0032	15323														
		OBS	0010	2333	36145	2473			15323														
002		STD	0020	2333	3615	2473	0032328	0065	15324														
		OBS	0020	2333	36150	2473			15324														
		OBS	0025	2334	36150	2473			15325														
		STD	0030	2334	3615	2473	0032395	0097	15326														
		OBS	0030	2334	36150	2473			15326														
		STD	0050	2335	3616	2473	0032466	0162	15330														
		OBS	0050	2335	36155	2473			15330														
		OBS	0070	2329	36167	2475			15332														
		STD	0075	2259	3627	2503	0029668	0240	15316														
		OBS	0075	2259	36266	2503			15316														
		STD	0100	2087	3663	2578	0022589	0305	15280														
		OBS	0100	2087	36625	2578			15280														
		STD	0125	1979	3665	2609	0019757	0358	15255														
		OBS	0125	1979	36647	2609			15255														
		STD	0150	1915	3663	2624	0018410	0405	15242														
		OBS	0150	1915	36625	2624			15242														
		STD	0200	1850	3659	2638	0017280	0495	15231														
		OBS	0200	1850	36586	2638			15231														
		STD	0250	1826	3658	2643	0016918	0580	15232														
		STD	0300	1799	3656	2648	0016616	0664	15232														
		OBS	0300	1799	36556	2648			15232														
		STD	0400	1738	3644	2655	0016331	0829	15230														
		OBS	0400	1738	36442	2655			15230														
		STD	0500	1659	3630	2662	0015875	0990	15221														
		OBS	0500	1659	36296	2662			15221														
		STD	0600	1490	3598	2677	0014689	1143	15181														
		OBS	0600	1490	35980	26770																	
		STD	0700	1267	3564	2697	0012808	1480	15120														
		OBS	0700	1267	35637	2697			15120														
		STD	0800	1019	3527	2715	0011050	1399	15046														
		OBS	0800	1019	35267	2715			15046														
		OBS	0840	0917	35190	2726			15014														
		OBS	0889	0860	35123	2730			15000														
		STD	0900	0799	3507	2735	0008985	1500	14978														
		OBS	0900	0799	35067	2735			14978														
		STD	1000	0622	3505	2758	0006605	1578	14925														
		OBS	1000	0622	35046	2758			14925														
		STD	1100	0522	3502	2768	0005543	1638	14901														
		OBS	1100	0522	35017	2768			14901														
		STD	1200	0486	3501	2772	0005192	1692	14903														
		OBS	1200	0486	35014	2772			14903														
		STD	1300	0400	3502	2776	0004906	1742	14909														
		OBS	1300	0400	35020	2776			14909														
		STD	1400	0440	3501	2777	0004834	1791	14917														
		OBS	1400	0440	35007	2777			14917														
		STD	1500	0422	3501	2779	0004705	1839	14927														
		OBS	1500	0422	35005	2779			14927														

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DATE 1/10	MARS DEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10	CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
31	8007	EV	3515 N	06020 W	115	50	11	01	027	1966	039	4603	31	07	1	4			X2	0	3	0051
		WATER COLOR CODE	WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS												
DT	SD		TRANS (mi)	DIR.		DRY BULB	WET BULB															
07	07				281	206	183	7	28													
MESSAGE TIME HR 1/10	CASE NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t ?	Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₂ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S C C L					
		STD	0000	2389	3627	2465	0032982	0000	15336													
	027	OBS	0000	2389	36266	2465			15336													
		STD	0010	2390	3627	2465	0033050	0033	15338													
		OBS	0010	2390	36266	2465			15338													
		STD	0020	2390	3627	2465	0033090	0066	15340													
	002	OBS	0020	2390	36266	2465			15340													
		OBS	0025	2390	36266	2465			15340													
		STD	0030	2390	3627	2465	0033130	0099	15341													
		OBS	0030	2390	36266	2465			15341													
		STD	0050	2390	3627	2465	0033203	0166	15344													
		OBS	0050	2390	36267	2465			15344													
		STD	0075	2099	3661	2574	0022929	0236	15279													
		OBS	0075	2099	36608	2574			15279													
		STD	0100	1949	3663	2615	0019058	0288	15243													
		OBS	0100	1949	36627	2615			15243													
		STD	0125	1894	3662	2629	0017854	0334	15232													
		OBS	0125	1894	36618	2629			15232													
		STD	0150	1857	3659	2636	0017244	0378	15225													
		OBS	0150	1857	36590	2636			15225													
		STD	0200	1818	3658	2645	0016580	0463	15222													
		OBS	0200	1818	36576	2645			15222													
		STD	0250	1804	3657	2648	0016462	0545	15226													
		STD	0300	1787	3655	2651	0016395	0628	15229													
		OBS	0300	1787	36547	2651			15229													
		STD	0400	1744	3647	2655	0016278	0791	15232													
		OBS	0400	1744	36469	2655			15232													
		STD	0500	1700	3641	2661	0016038	0952	15234													
		OBS	0500	1700	36405	2661			15234													
		STD	0600	1539	3604	2670	0015343	1109	15197													
		OBS	0600	1539	36038	2670			15197													
		STD	0700	1321	3571	2692	0013389	1253	15139													
		OBS	0700	1321	35707	2692			15139													
		STD	0800	1054	3534	2714	0011149	1376	15059													
		OBS	0800	1054	35340	2714			15059													
		STD	0900	0812	3512	2737	0008828	1476	14983													
		OBS	0900	0812	35117	2737			14983													
		STD	1000	0660	3503	2752	0007271	1556	14940													
		OBS	1000	0660	35031	2752			14940													
		STD	1100	0562	3504	2766	0005699	1622	14918													
		OBS	1100	0562	35044	2766			14918													
		STD	1200	0500	3505	2773	0005132	1677	14909													
		OBS	1200	0500	35048	2773			14909													
		STD	1300	0479	3506	2776	0004906	1727	14917													
		OBS	1300	0479	35055	2776			14917													
		STD	1400	0457	3504	2778	0004808	1776	14925													
		OBS	1400	0457	35042	2778			14925													
	043	OBS	T1478	0436	36430	28900																
		STD	1500	0432	3503	2779	0004686	1823	14931													
		OBS	1500	0432	35026	2779			14931													
		STD	1750	0404	3500	2780	0004727	1941	14961													
		STD	2000	0377	3498	2782	0004713	2059	14992													
	043	OBS	T2034	0374	34974	2781			14997													
		STD	2500	0331	3496	2785	0004560	2491	15058													
	043	OBS	T2621	0320	34960	2786			15074													
		STD	3000	0286	3494	2787	0004379	2514	15125													
	043	OBS	T3112	0276	34937	2788			15140													

TABLE IV.—Continued

REFERENCE	SHIP	LATITUDE	LONGITUDE	DEPTH	MARS DEN	STATION TIME	YEAR	ORIGINATOR'S		DEPTH	MAX. DEPTH	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NO. OF STATION NUMBER	
								CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT		
318007	EV	3542 N	06050 W	115	50	11 01 081	1966	040		4612	15	06	4	4		X1	0	3	0052	
					WATER		WIND		BARO- METER (mbars)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS						
					COLOR CODE	TRANS. IMI	DIR.	SPEED OR FORCE		DRY BULB	WET BULB									
					DT	SD	06	S07	295	211	194	7	25							
081	STD	0000	2340	3614	2470	0032523	0000	15323												
	OBS	0000	2340	36139	2470			15323												
	STD	0010	2340	3614	2470	0032563	0033	15324												
	OBS	0010	2340	36139	2470			15324												
002	STD	0020	2340	3614	2470	0032602	0065	15326												
	OBS	0020	2340	36139	2470			15326												
	OBS	0025	2340	36139	2470			15327												
	STD	0030	2340	3614	2470	0032642	0098	15328												
	OBS	0030	2340	36139	2470			15328												
	STD	0050	2340	3614	2470	0032721	0163	15331												
	OBS	0050	2340	36139	2470			15331												
	OBS	0069	2320	36375	2494			15332												
	STD	0075	2220	3653	2534	0036727	0437	15309												
	OBS	0075	2220	36527	2534			15309												
	STD	0100	2060	3663	2586	0021867	0498	15273												
	OBS	0100	2060	36628	2586			15273												
	STD	0125	1952	3660	2612	0019441	0350	15247												
	OBS	0125	1952	36597	2612			15247												
	STD	0150	1875	3657	2630	0017833	0396	15230												
	OBS	0150	1875	36569	2630			15230												
	STD	0200	1820	3657	2644	0016701	0483	15222												
	OBS	0200	1820	36566	2644			15222												
	STD	0250	1802	3655	2647	0016559	0566	15225												
	STD	0300	1781	3652	2650	0016418	0648	15227												
	OBS	0300	1781	36524	2650			15227												
	STD	0400	1733	3643	2655	0016300	0812	15228												
	OBS	0400	1733	36430	2655			15228												
	STD	0500	1639	3624	2663	0015843	0973	15214												
	OBS	0500	1639	36237	2663			15214												
	STD	0600	1440	3588	2680	0014309	1123	15164												
	OBS	0600	1440	35884	2680			15164												
	STD	0700	1162	3546	2704	0012022	1255	15082												
	OBS	0700	1162	35464	2704			15082												
	STD	0800	0930	3521	2725	0009921	1365	15011												
	OBS	0800	0930	35209	2725			15012												
	STD	0900	0753	3510	2744	0008049	1455	14961												
	OBS	0900	0753	35096	2744			14961												
	STD	1000	0586	3503	2761	0006239	1526	14911												
	OBS	1000	0586	35026	2761			14911												
	STD	1100	0527	3503	2769	0005524	1585	14903												
	OBS	1100	0527	35029	2769			14903												
	STD	1200	0498	3505	2773	0005127	1638	14908												
	OBS	1200	0498	35045	2773			14908												
	STD	1300	0479	3505	2776	0004950	1688	14917												
	OBS	1300	0479	35049	2776			14917												
	STD	1400	0450	3504	2778	0004735	1737	14922												
	OBS	1400	0450	35039	2778			14922												
	STD	1500	0432	3503	2779	0004679	1784	14931												
	OBS	1500	0432	35027	2779			14931												

TABLE IV.—Continued

REFERENCE CITY CODE	ID. NO.	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DATE MO DAY	MARDEN SQUARE 10" 1"	STATION TIME (GMT) MO DAY HR.1/10	YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER								
									CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA	TYPE	AMT									
311	8007	EV	3605 N	06046 W	115	60	11 01 107	1966	041		4846	15	06	4	4		X1	0 3	0053								
		WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS																	
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mba)	DRY BULB	WET BULB	VIS. CODE																		
		DT	SD	06	507	312	206	167	7	28																	
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME AND MALT-8107	Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	SIO ₄ -Si μg - dl/l	pH	S C										
107		STD	0000	2323	3611	2473	0032231	0000	15318																		
		OBS	0000	2323	36114	2473			15318																		
		STD	0010	2323	3611	2473	0032270	0032	15320																		
		OBS	0010	2323	36114	2473			15320																		
002		STD	0020	2325	3613	2473	0032279	0065	15322																		
		OBS	0020	2325	36126	2473			15322																		
		STD	0025	2325	36126	2473			15323																		
		OBS	0025	2325	3613	2473	0032311	0097	15324																		
		STD	0030	2325	36127	2473			15324																		
		OBS	0030	2325	36127	2473			15324																		
		STD	0050	2332	3617	2474	0032296	0161	15329																		
		OBS	0050	2332	36167	2474			15329																		
		STD	0067	2332	36189	2476			15332																		
		OBS	0067	2332	36189	2476			15332																		
		STD	0075	2293	3637	2501	0029851	0239	15326																		
		OBS	0075	2293	36480	25100			15326																		
		STD	0100	2084	3671	2585	0021933	0304	15280																		
		OBS	0100	2084	36705	2585			15280																		
		STD	0125	1991	3666	2607	0019981	0356	15259																		
		OBS	0125	1991	36658	2607			15259																		
		STD	0150	1915	3662	2623	0018475	0404	15241																		
		OBS	0150	1915	36616	2623			15241																		
		STD	0200	1802	3649	2642	0016842	0493	15216																		
		OBS	0200	1802	36487	2642			15216																		
		STD	0250	1775	3647	2648	0016495	0576	15216																		
		OBS	0250	1775	3647	2648	0016495	0576	15216																		
		STD	0300	1749	3645	2653	0016168	0658	15217																		
		OBS	0300	1749	36454	2653			15217																		
		STD	0400	1699	3639	2660	0015817	0818	15217																		
		OBS	0400	1699	36387	2660			15217																		
		STD	0500	1526	3603	2672	0014842	0971	15177																		
		OBS	0500	1526	36026	2672			15177																		
		STD	0600	1274	3565	2696	0012621	1108	15106																		
		OBS	0600	1274	35646	2696			15106																		
		STD	0700	1000	3527	2718	0010507	1274	15022																		
		OBS	0700	1000	35266	2718			15022																		
		STD	0800	0820	3512	2736	0008778	1320	14970																		
		OBS	0800	0820	35117	2736			14970																		
		STD	0812	0762	35080	27410																					
		OBS	0812	0762	35080	27410																					
		STD	0841	0756	35020	2737			14951																		
		OBS	0841	0756	35020	2737			14951																		
		STD	0881	0640	35037	2755			14912																		
		OBS	0881	0640	35037	2755			14912																		
		STD	0900	0628	3505	2757	0006558	1397	14911																		
		OBS	0900	0628	35045	2757			14911																		
		STD	1000	0538	3503	2767	0005574	1458	14891																		
		OBS	1000	0538	35026	2767			14891																		
		STD	1100	0502	3503	2772	0005199	1511	14893																		
		OBS	1100	0502	35027	2772			14893																		
		STD	1200	0469	3503	2775	0004869	1562	14896																		
		OBS	1200	0469	35027	2775			14896																		
		STD	1300	0459	3503	2776	0004841	1610	14909																		
		OBS	1300	0459	35027	2776			14909																		
		STD	1400	0432	3501	2778	0004705	1658	14914																		
		OBS	1400	0432	35010	2778			14914																		
		STD	1500	0404	3501	2781	0004457	1704	14919																		
		OBS	1500	0404	35006	2781			14919																		

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE * 1/10	LONGITUDE * 1/10	TIME HOUR	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER							
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER				DIR.	HGT	PER	SEA	TYPE	AMT							
						10"	1"	MO	DAY	HR./10																			
31	8007	EV	3630 N	06120 W		115	61	11	01	149	1966		042		4800	15	07	2	4		X1	0	3	0054					
		WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS																		
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB																					
		DT	SD	09	518		288	178	7	30																			
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SIO ₄ -Si $\mu\text{g} - \text{at/l}$	pH												
149		STD	0000	2354	3626	2475	0032063		0000	15327																			
		OBS	0000	2354	36257	2475				15327																			
002		STD	0010	2353	3626	2475	0032075		0032	15329																			
		OBS	0010	2353	36257	2475				15329																			
		STD	0020	2359	3626	2474	0032268		0064	15332																			
		OBS	0020	2359	36259	2474				15332																			
		OBS	0025	2359	36259	2474				15333																			
		STD	0030	2359	3626	2474	0032308		0097	15334																			
		OBS	0030	2359	36259	2474				15334																			
		OBS	0048	2356	36261	2475				15336																			
		STD	0050	2340	3628	2481	0031690		0161	15332																			
		OBS	0050	2340	36282	2481				15332																			
		STD	0075	2119	3663	2570	0023301		0429	15284																			
		OBS	0075	2119	36629	2570				15284																			
		STD	0100	1949	3662	2615	0019109		0482	15243																			
		OBS	0100	1949	36620	2615				15243																			
		STD	0125	1871	3660	2634	0017408		0328	15225																			
		OBS	0125	1871	36602	2634				15225																			
		STD	0150	1841	3657	2639	0017023		0371	15220																			
		OBS	0150	1841	36567	2639				15220																			
		STD	0200	1792	3655	2650	0016119		0454	15214																			
		OBS	0200	1792	36554	2650				15214																			
		STD	0250	1779	3653	2651	0016156		0535	15218																			
		STD	0300	1759	3650	2654	0016078		0515	15220																			
		OBS	0300	1759	36499	2654				15220																			
		STD	0400	1698	3639	2660	0015794		0774	15217																			
		OBS	0400	1698	36387	2660				15217																			
		STD	0500	1557	3609	2670	0015040		0929	15187																			
		OBS	0500	1557	36093	2670				15187																			
		STD	0600	1319	3568	2690	0013254		1070	15122																			
		OBS	0600	1319	35683	2690				15122																			
		STD	0700	1047	3530	2712	0011107		1192	15040																			
		OBS	0700	1047	35298	2712				15040																			
		STD	0800	0812	3511	2736	0008731		1491	14967																			
		OBS	0800	0812	35106	2736				14967																			
		OBS	0830	0720	35067	2745				14936																			
		OBS	0848	0720	35094	2749				14939																			
		STD	0900	0659	3507	2755	0006845		1369	14924																			
		OBS	0900	0659	35067	2755				14924																			
		OBS	0962	0613	35042	2759				14915																			
		OBS	0979	0562	35023	2764				14897																			
		OBS	0991	0573	35053	2765				14904																			
		STD	1000	0553	3503	2765	0005780		1432	14897																			
		OBS	1000	0553	35026	2765				14897																			
		STD	1100	0496	3502	2772	0005178		1487	14891																			
		OBS	1100	0496	35019	2772				14891																			
		STD	1200	0460	3501	2775	0004889		1537	14892																			
		OBS	1200	0460	35008	2775				14892																			
		STD	1300	0440	3500	2776	0004786		1586	14901																			
		OBS	1300	0440	35000	2776				14901																			
		STD	1400	0421	3500	2778	0004640		1633	14910																			
		OBS	1400	0421	34999	2778				14910																			
		STD	1500	0421	3502	2780	0004603		1679	14927																			
		OBS	1500	0421	35017	2780				14927																			

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARDEN SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL.	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER	
CTRY CODE	NO.					10"	1'	MO	DAY	HR./10	CRUISE NO.	DIR.			HGT	PER	SEA	TYPE	AMT				
31	8007	EV	36562N	06138 W	115 61	11	01	17	01	1966		043	4938	15	10	2	2		X1	0	3		0055
						WATER		WIND		AIR TEMP. °C		NO. OBS.		SPECIAL									
						COLOR	TRANS.	DIR.	SPEED	BARO-	ORY	WET	VIS.										
						CODE	(m)		OR FORCE	METER	BULB	BULB	CODE										
						DT	SD	06	S20	322	228	178	7	26									
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{dl/l}$	TOTAL-P $\mu\text{g} - \text{dl/l}$	NO ₃ -N $\mu\text{g} - \text{dl/l}$	NO ₃ -N $\mu\text{g} - \text{dl/l}$	SIO ₄ -Si $\mu\text{g} - \text{dl/l}$	pH	TC						
		STD	0000	2263	3630	2505	0029239	0000	15305														
176		OBS	0000	2263	36300	2505			15305														
		STD	0010	2263	3630	2505	0029278	0029	15307														
		OBS	0010	2263	36300	2505			15307														
		STD	0020	2263	3630	2505	0029317	0059	15309														
002		OBS	0020	2263	36300	2505			15309														
		OBS	0025	2263	36300	2505			15309														
		STD	0030	2263	3630	2505	0029357	0088	15310														
		OBS	0030	2263	36300	2505			15310														
		STD	0050	2263	3630	2504	0029442	0147	15314														
		OBS	0050	2263	36299	2504			15314														
		OBS	0066	2263	36298	2504			15316														
		STD	0075	2128	3641	2551	0025140	0215	15284														
		OBS	0075	2128	36407	2551			15284														
		STD	0100	1980	3661	2606	0019980	0271	15251														
		OBS	0100	1980	36607	2606			15251														
		STD	0125	1901	3659	2625	0018250	0319	15233														
		OBS	0125	1901	36587	2625			15233														
		STD	0150	1849	3657	2637	0017209	0363	15222														
		OBS	0150	1849	36568	2637			15222														
		STD	0200	1809	3656	2646	0016473	0448	15219														
		OBS	0200	1809	36561	2646			15219														
		STD	0250	1787	3654	2650	0016274	0530	15221														
		STD	0300	1765	3651	2653	0016154	0611	15222														
		OBS	0300	1765	36508	2653			15222														
		STD	0400	1720	3642	2658	0016039	0772	15224														
		OBS	0400	1720	36424	2658			15224														
		STD	0500	1641	3628	2666	0015549	0929	15215														
		OBS	0500	1641	36284	2666			15215														
		OBS	0560	1499	36302	2676			15178														
		STD	0600	1457	3593	2680	0014375	1079	15170														
		OBS	0600	1457	35925	2680			15170														
		STD	0700	1210	3554	2700	0012413	1213	15100														
		OBS	0700	1210	35537	2700			15100														
		STD	0800	0940	3518	2722	0010275	1326	15016														
		OBS	0800	0940	35184	2722			15016														
		STD	0900	0744	3507	2743	0008122	1418	14957														
		OBS	0900	0744	35067	2743			14957														
		STD	1000	0591	3501	2759	0006449	1491	14912														
		OBS	1000	0591	35007	2759			14912														
		STD	1100	0521	3502	2769	0005486	1551	14901														
		OBS	1100	0521	35023	2769			14901														
		STD	1200	0478	3500	2772	0005180	1604	14900														
		OBS	1200	0478	35001	2772			14900														
		STD	1300	0465	3502	2775	0005002	1655	14911														
		OBS	1300		35016																		
		STD	1400	0448	3503	2778	0004781	1704	14921														
		OBS	1400	0448	35029	2778			14921														
		STD	1500	0427	3501	2779	0004735	1752	14929														
		OBS	1500	0427	35010	2779			14929														

TABLE IV.—Continued

REFERENCE	SHIP	LATITUDE	LONGITUDE	DATE	MARDEN	STATION	YEAR	ORIGINATOR'S		DEPTH	MAX.	WAVE			WEA-	CLOUD	NODC
								CRUISE	STATION			OBSERVATIONS					
CODE	NO.				NO.	TIME		NO.	NUMBER	TO	DEPTH	DIR.	HGT	PER	SEA	TYPE	STATION
31	8007	EV	37245N	06200 W	115	72	11 01	205	1966	044	5029	15	10	3	4	X1	0056
				WATER	WIND		BARO-	AIR TEMP. °C		VIS.	NO.	SPECIAL					
					TRANS.	SPEED		DRY	WET								
				COLOR	CODE	DIR.	FORCE	MEAS.	BULB	BULB	CODE	DEPTHS					
				DT	SD	13	15	322	228	189	7	27					
MESSNGR	CST	CARD	DEPTH	T	S	SIGMA-T	SPECIFIC VOLUME	Δ D	SOUND	O ₂	PO ₄ -P	TOTAL-P	NO ₂ -N	NO ₃ -N	SiO ₄ -Si	pH	S
TIME	NO.	TYPE	(m)	°C	‰		AND MALT-1107	DYN. M.	VELOCITY	ml/l	μg - dl/l	μg - dl/l	μg - dl/l	μg - dl/l	μg - dl/l		C
1/10								x 10 ³									
		STD	0000	2299	3626	2491	0030536	0000	15314								
	205	OBS	0000	2299	36257	2491			15314								
		STD	0010	2298	3626	2491	0030548	0031	15315								
		OBS	0010	2298	36257	2491			15315								
		STD	0020	2300	3626	2491	0030635	0061	15317								
	002	OBS	0020	2300	36258	2491			15317								
		OBS	0025	2300	36258	2491			15318								
		STD	0030	2300	3627	2491	0030603	0092	15319								
		OBS	0030	2300	36268	2491			15319								
		STD	0050	2287	3630	2498	0030085	0152	15320								
		OBS	0050	2287	36301	2498			15320								
		STD	0075	2120	3657	2565	0023768	0420	15284								
		OBS	0075	2120	36568	2565			15284								
		STD	0100	1960	3661	2611	0019470	0274	15246								
		OBS	0100	1960	36608	2611			15246								
		STD	0125	1906	3661	2625	0018214	0321	15235								
		OBS	0125	1906	36609	2625			15235								
		STD	0150	1859	3657	2635	0017408	0365	15225								
		OBS	0150	1859	36574	2635			15225								
		STD	0200	1811	3656	2646	0016499	0450	15220								
		OBS	0200	1811	36564	2646			15220								
		STD	0250	1797	3655	2648	0016440	0533	15224								
		STD	0300	1780	3653	2651	0016366	0615	15227								
		OBS	0300	1780	36528	2651			15227								
		STD	0400	1734	3645	2656	0016187	0777	15229								
		OBS	0400	1734	36449	2656			15229								
		STD	0500	1676	3634	2661	0015979	0938	15226								
		OBS	0500	1676	36336	2661			15226								
		STD	0600	1494	3599	2676	0014740	1092	15183								
		OBS	0600	1494	35985	2676			15183								
		STD	0700	1296	3562	2690	0013498	1233	15130								
		OBS	0700	1296	35622	2690			15130								
		STD	0800	1034	3532	2716	0010948	1355	15052								
		OBS	0800	1034	35318	2716			15052								
		STD	0900	0814	3508	2734	0009116	1455	14984								
		OBS	0900	0814	35082	2734			14984								
		STD	1000	0648	3502	2753	0007153	1537	14935								
		OBS	1000	0648	35023	2753			14935								
		OBS	1015	0603	34975	2755			14919								
		OBS	1025	0616	35035	2758			14927								
		OBS	1050	0562	34976	2760			14909								
		STD	1100	0523	3499	2766	0005777	1601	14901								
		OBS	1100	0523	34987	2766			14901								
		STD	1200	0481	3499	2771	0005315	1657	14901								
		OBS	1200	0481	34988	2771			14901								
		STD	1300	0460	3499	2773	0005140	1709	14909								
		OBS	1300	0460	34988	2773			14909								
		STD	1400	0442	3499	2775	0005000	1760	14918								
		OBS	1400	0442	34988	2775			14918								
		STD	1500	0432	3497	2775	0005132	1811	14930								
		OBS	1500	0432	34965	2775			14930								

TABLE IV.—Continued

REFERENCE CITY CODE	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS DEN NO.	MARS DEN NO.		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR	WGT	PER	SEA	TYPE	AMT	
311007	EV	3744 N	06217 W	115	72	11	01	114	1966		045		5030	14	10	3	2		X1	013	0057
					WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTH	SPECIAL OBSERVATIONS							
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	METER (mb)	DRY BULB	WET BULB	VIS. CODE									
					DT	SD	12	S15	335	206	161	7	24								
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{ml}^{-1}$	TOTAL-P $\mu\text{g} \cdot \text{ml}^{-1}$	NO ₂ -N $\mu\text{g} \cdot \text{ml}^{-1}$	NO ₃ -N $\mu\text{g} \cdot \text{ml}^{-1}$	SIO ₄ -Si $\mu\text{g} \cdot \text{ml}^{-1}$	pH	S C				
114		STD	0000	2322	3619	2479	0031626	0000	15319												
		OBS	0000	2322	36194	2479			15319												
		STD	0010	2323	3619	2479	0031701	0032	15321												
		OBS	0010	2323	36193	2479			15321												
002		STD	0020	2323	3619	2479	0031740	0063	15322												
		OBS	0020	2323	36193	2479			15322												
		OBS	0025	2323	36193	2479			15323												
		STD	0030	2323	3619	2479	0031780	0095	15324												
		OBS	0030	2323	36193	2479			15324												
		STD	0050	2324	3620	2479	0031822	0159	15328												
		OBS	0050	2324	36202	2479			15328												
		OBS	0069	2325	36222	2481			15331												
		STD	0075	2230	3663	2539	0026277	0231	15313												
		OBS	0075	2230	36627	2539			15313												
		STD	0100	2100	3669	2580	0022444	0292	15284												
		OBS	0100	2100	36692	2580			15284												
		STD	0125	1990	3665	2606	0020042	0345	15258												
		OBS	0125	1990	36646	2606			15258												
		STD	0150	1904	3659	2625	0018370	0393	15238												
		OBS	0150	1904	36593	2625			15238												
		STD	0200	1839	3656	2639	0017202	0482	15228												
		OBS	0200	1839	36560	2639			15228												
		STD	0250	1814	3655	2644	0016846	0567	15228												
		STD	0300	1792	3654	2649	0016594	0651	15230												
		OBS	0300	1792	36536	2649			15230												
		STD	0400	1755	3646	2652	0016588	0817	15235												
		OBS	0400	1755	36462	2652			15235												
		STD	0500	1699	3636	2658	0016347	0982	15234												
		OBS	0500	1699	36359	2658			15234												
		STD	0600	1578	3609	2666	0015808	1142	15210												
		OBS	0600	1578	36094	2666			15210												
		STD	0700	1362	3576	2687	0013841	1291	15154												
		OBS	0700	1362	35761	2687			15154												
		STD	0800	1126	3543	2708	0011819	1419	15086												
		OBS	0800	1126	35431	2708			15086												
		STD	0900	0890	3518	2729	0009674	1526	15014												
		OBS	0900	0890	35177	2729			15014												
		STD	1000	0648	3501	2752	0007270	1611	14935												
		OBS	1000	0648	35007	2752			14935												
		STD	1100	0524	3498	2765	0005864	1677	14901												
		OBS	1100	0524	34977	2765			14901												
		STD	1200	0492	3499	2770	0005434	1733	14905												
		OBS	1200	0492	34992	2770			14905												
		STD	1300	0460	3500	2774	0005030	1786	14909												
		OBS	1300	0460	35003	2774			14909												
		STD	1400	0448	3500	2776	0004993	1836	14921												
		OBS	1400	0448	35000	2776			14921												

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH INCHES	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER				
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER		SEA	TYPE		AMT			
31	8007	EV	3744 N	06217 W		115	72	11	02	005	1966		045	5030	30	10	3	2		X1	8	2		0058		
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
COLOR CODE		TRANS. (m)		DIR.	SPEED OR FORCE		DRY BULB		WET BULB																	
					12		515		335		206		161		7		07									
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta$ D DTN. M. $\times 10^3$		SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	Si O ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S C						
		STD	0000	2328	3619	2477		0031829		0000		15320														
005		OBS	0000	2328	36189	2477						15320														
005		OBS	0009	2213	36205	2512						15293														
005		OBS	T1375	0448	34965	2773						14916														
		STD	1400	0445	3496	2773		0005246				14919														
		STD	1500	0434	3496	2774		0005195				14931														
		STD	1750	0408	3495	2776		0005146				14962														
005		OBS	T1939	0390	34949	2778						14987														
		STD	2000	0387	3495	2778		0005071				14996														
005		OBS	T2429	0349	34955	2782						15053														
		STD	2500	0340	3495	2783		0004756				15062														
005		OBS	T2900	0277	34947	2789						15104														
		STD	3000		3494																					
005		OBS	3000	03170	34938	27840																				

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	OBS. NO.	MARSOEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE	
31	8007	EV	3810 N	06240 W		115	84	11	02	039	1966		046	5141	15	15	2	2		X1	03	0059
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE		DRY BULB	WET BULB										
						DT	SD	13	520		322	222					172	7	25			
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME AND WALT-10 ³		$\Sigma \Delta \sigma$ DYN. M. X 10 ³		SOUND VELOCITY	O ₂ ml/l	PO ₄ -P µg - ml/l	TOTAL-P µg - ml/l	NO ₂ -N µg - ml/l	NO ₃ -N µg - ml/l	SiO ₄ -Si µg - ml/l	PH				
039		STD	0000	2316	3620	2481	0031453		0000		15317											
		OBS	0000	2316	36195	2481					15317											
		STD	0010	2315	3620	2482	0031465		0031		15319											
		OBS	0010	2315	36195	2482					15319											
		STD	0020	2316	3620	2481	0031532		0063		15321											
		OBS	0020	2316	36195	2481					15321											
		OBS	0025	2316	36195	2481					15321											
		STD	0030	2316	3620	2481	0031571		0095		15322											
		OBS	0030	2316	36195	2481					15322											
		STD	0050	2316	3620	2481	0031650		0158		15326											
		OBS	0050	2316	36195	2481					15326											
		STD	0075	2316	3620	2481	0031741		0237		15330											
		OBS	0075	2316	36196	2481					15330											
		OBS	0090	2316	36196	2481					15332											
		STD	0100	2227	3655	2534	0026055		0310		15316											
		OBS	0100	2227	36549	2534					15316											
		STD	0125	2030	3663	2594	0021161		0370		15269											
		OBS	0125	2030	36632	2594					15269											
		STD	0150	1951	3663	2615	0019254		0421		15252											
		OBS	0150	1951	36632	2615					15252											
		STD	0200	1844	3658	2639	0017207		0512		15229											
		OBS	0200	1844	36576	2639					15229											
		STD	0250	1819	3655	2643	0016967		0597		15230											
		STD	0300	1799	3653	2646	0016819		0682		15232											
		OBS	0300	1799	36528	2646					15232											
		STD	0400	1777	3653	2651	0016656		0849		15242											
		OBS	0400	1777	36525	2651					15242											
		STD	0500	1725	3643	2657	0016451		1015		15242											
		OBS	0500	1725	36429	2657					15242											
		STD	0600	1610	3621	2667	0015671		1175		15221											
		OBS	0600	1610	36213	2667					15221											
		STD	0700	1424	3587	2682	0014370		1326		15175											
		OBS	0700	1424	35868	2682					15175											
		STD	0800	1201	3554	2702	0012486		1460		15113											
		OBS	0800	1201	35537	2702					15113											
		STD	0900	0948	3523	2724	0010308		1574		15036											
		OBS	0900	0948	35226	2724					15036											
		STD	1000	0690	3500	2745	0007983		1665		14951											
		OBS	1000	0690	34995	2745					14951											
		STD	1100	0541	3497	2762	0006171		1736		14908											
		OBS	1100	0541	34967	2762					14908											
		STD	1200	0517	3502	2769	0005556		1795		14916											
		OBS	1200	0517	35022	2769					14916											
		STD	1300	0473	3502	2774	0005103		1848		14915											
		OBS	1300	0473	35017	2774					14915											
		STD	1400	0455	3502	2776	0004964		1898		14924											
		OBS	1400	0455	35017	2776					14924											
		STD	1500	0438	3502	2778	0004833		1947		14934											
		OBS	1500	0438	35017	2778					14934											

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO DAY HR.1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER		SEA	TYPE	
31	8007	EV	3835 N	06258 W	11582	11	02	072	1966		047	4800	15	12	2	4		X1	03	0060
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS				
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	DRY BULB	WET BULB											
		DT	SD	10	S20	322	222	178	7	26										
MESSAGE TIME HR. 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta C$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g \cdot dl/l$	TOTAL-P $\mu g \cdot dl/l$	NO ₃ -N $\mu g \cdot dl/l$	NO ₃ -N $\mu g \cdot dl/l$	SiO ₄ -Si $\mu g \cdot dl/l$	pH	S COC			
		STD	0000	2320	3623	2482	0031347	0000	15319											
072		OBS	0000	2320	36225	2482			15319											
		STD	0010	2319	3622	2482	0031402	0031	15320											
		OBS	0010	2319	36219	2482			15320											
		STD	0020	2309	3622	2485	0031151	0063	15319											
002		OBS	0020	2309	36221	2485			15319											
		OBS	0025	2309	36221	2485			15320											
		STD	0030	2309	3622	2485	0031190	0094	15321											
		OBS	0030	2309	36221	2485			15321											
		STD	0050	2309	3622	2485	0031254	0156	15324											
		OBS	0050	2309	36223	2485			15324											
		STD	0075	2309	3622	2485	0031345	0235	15328											
		OBS	0075	2309	36224	2485			15328											
		OBS	0085	2309	36225	2486			15330											
		STD	0100	2185	3659	2548	0025450	0306	15305											
		OBS	0100	2185	36587	2548			15305											
		STD	0125	2040	3667	2594	0021164	0364	15272											
		OBS	0125	2040	36667	2594			15272											
		STD	0150	1960	3665	2614	0019378	0414	15254											
		OBS	0150	1960	36646	2614			15254											
		STD	0200	1839	3657	2639	0017122	0506	15228											
		OBS	0200	1839	36571	2639			15228											
		STD	0250	1817	3657	2645	0016774	0590	15230											
		STD	0300	1795	3655	2649	0016557	0674	15231											
		OBS	0300	1795	36551	2649			15231											
		STD	0400	1755	3649	2654	0016422	0839	15235											
		OBS	0400	1755	36485	2654			15235											
		STD	0500	1673	3632	2661	0016003	1001	15225											
		OBS	0500	1673	36323	2661			15225											
		STD	0600	1481	3596	2677	0014639	1154	15178											
		OBS	0600	1481	35960	2677			15178											
		STD	0700	1248	3555	2694	0013077	1293	15113											
		OBS	0700	1248	35548	2694			15113											
		STD	0800	1007	3529	2718	0010677	1411	15042											
		OBS	0800	1007	35289	2718			15042											
		STD	0900	0748	3505	2741	0008338	1506	14958											
		OBS	0900	0748	35046	2741			14958											
		OBS	0941	0656	35039	2753			14929											
		STD	1000	0594	3501	2759	0006491	1581	14913											
		OBS	1000	0594	35007	2759			14913											
		STD	1100	0524	3501	2767	0005637	1641	14904											
		OBS	1100	0524	35008	2767			14902											
		STD	1200	0472	3499	2772	0005151	1695	14897											
		OBS	1200	0472	34994	2772			14897											
		STD	1300	0456	3501	2775	0004904	1746	14907											
		OBS	1300	0456	35005	2775			14907											
		STD	1400	0435	3499	2776	0004907	1795	14915											
		OBS	1400	0435	34988	2776			14915											
		STD	1500	0418	3499	2776	0004790	1844	14925											
		OBS	1500	0418	34986	2778			14925											

TABLE IV.—Continued

REFERENCE	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	NODC NUMBER	MARSDEN SQUARE	STATION TIME (GMT)	YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLER	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
								CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
31800	EV	39.1 N	06319 W		115 93	11 02 103	1966		048	493d	15	15	4	3		X2	0 3		0061
				WATER		WIND		BARO- METER		AIR TEMP. °C		VIS CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS			
				COLOR CODE	TRANS (m)	DIR.	SPEED OR FORCE	(mbars)		DRY BULB	WET BULB								
				DT	SD	14	S25	312		228	183	7	36						
MESSAGE TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ σ DYN. M. x 10 ³	SOUND VELOCITY	D ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S CODE		
		STD	0000	2543	3621	2414	0037639	0000	15372										
103		OBS	0000	2543	36208	2414			15372										
		STD	0010	2545	3621	2414	0037939	0038	15374										
		OBS	0010	2545	36208	2414			15374										
		STD	0020	2545	3621	2414	0037980	0076	15376										
002		OBS	0020	2545	36208	2414			15376										
		OBS	0025	2545	36208	2414			15376										
		STD	0030	2545	3621	2414	0038021	0114	15377										
		OBS	0030	2545	36208	2414			15377										
		STD	0050	2545	3621	2414	0038103	0190	15381										
		OBS	0050	2545	36206	2414			15381										
		OBS	0070	2545	36211	2414			15384										
		STD	0075	2499	3632	2436	0036038	0283	15375										
		OBS	0075	2499	36322	2436			15375										
		STD	0100	2295	3636	2500	0030084	0365	15330										
		OBS	0100	2295	36359	2500			15330										
		STD	0125	2170	3673	2563	0024150	0433	15307										
		OBS	0125	2170	36725	2563			15307										
		STD	0150	2040	3666	2597	0021029	0490	15273										
		OBS	0150	2028	36656	2597			15273										
		STD	0200	1825	3648	2636	0017472	0586	15223										
		OBS	0200	1825	36476	2636			15223										
		OBS	0216	1823	36427	2632			15224										
		STD	0250	1720	3631	2649	0016364	0670	15198										
		STD	0300	1581	3612	2667	0014776	0748	15162										
		OBS	0300	1581	36117	2667			15162										
		OBS	0365	1424	35827	2679			15120										
		OBS	0361	1241	35441	2687			15057										
		STD	0400	1222	3549	2694	0012257	0883	15054										
		OBS	0400	1222	35486	2694			15054										
		OBS	0410	1222	35490	2695			15056										
		OBS	0426	1147	35407	2702			15031										
		OBS	0440	1160	35427	2702			15038										
		OBS	0450	1130	35367	2702			15029										
		OBS	0475	0880	34999	2717			14937										
		STD	0500	0899	3502	2715	0010219	0996	14949										
		OBS	0500	0899	35017	2715			14949										
		OBS	0508	0981	35250	2720			14983										
		OBS	0528	0980	35252	2720			14986										
		OBS	0580	0825	35037	2732			14935										
		STD	0600	0791	3502	2732	0008710	1090	14925										
		OBS	0600	0820P	35016	2728P													
		STD	0700	0629	3498	2752	0006788	1168	14877										
		OBS	0700	0629	34977	2752			14877										
		OBS	0756	0543	34897	2756			14851										
		OBS	0785	0543	35017	2766			14857										
		STD	0800	0520	3501	2768	0005210	1228	14850										
		OBS	0800	0520	3493P	2762P													
		STD	0900	0500	3499	2769	0005222	1280	14859										
		OBS	0900	0500	34989	2769			14859										
		STD	1000	0480	3501	2773	0004943	1331	14867										
		OBS	1000	0480	35007	2773			14867										
		STD	1100	0456	3501	2775	0004739	1379	14874										
		OBS	1100	0456	35007	2775			14874										
		STD	1200	0438	3500	2777	0004630	1426	14883										
		OBS	1200	0438	35004	2777			14883										
		STD	1300	0422	3500	2778	0004564	1472	14893										
		OBS	1300	0422	34998	2778			14893										
		STD	1400	0420	3500	2779	0004597	1518	14909										
		OBS	1400	0420	35003	2779			14909										
		STD	1500	0419	3501	2779	0004650	1564	14926										
		OBS	1500	0419	35007	2779			14926										

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRY INCH	MARSOEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER		
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10			CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT			
31	8007	EV	3925 N	06347 W		115	93	11	02	126	1966		049	4938	14	14	7	4		X2	0	3	0062			
						WATER		WIND		BARO- METER (mbars)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
						COLOR	TRANS.	DIR.	SPEED OR FORCE		DRY BULB	WET BULB														
						DT	SO	14	S25		328	239					178	7	38							
MESSAGE HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY-σ _t ?		Σ Δ D OYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₃ -N μg - dl/l	NO ₃ -N μg - dl/l	SiO ₄ -Si μg - dl/l	pH	DIS- C							
126		STD	0000	2411	3592	2432		0036127	0000	15337																
		OBS	0000	2411	35916	2432				15337																
		STD	0010	2411	3592	2432		0036167	0036	15339																
		OBS	0010	2411	35916	2432				15339																
		STD	0020	2408	3591	2433		0036143	0072	15340																
		OBS	0020	2408	35913	2433				15340																
		OBS	0025	2405	35911	2434				15340																
		STD	0030	2398	3587	2433		0036209	0108	15339																
		OBS	0030	2398	35870	2433				15339																
		STD	0050	2398	3587	2433		0036289	0181	15342																
		OBS	0050	2398	35870	2433				15342																
		OBS	0070	2400	36457	2476				15352																
		STD	0075	2340	3650	2497		0030241	0264	15339																
		OBS	0075	2340	36497	2497				15339																
		STD	0100	2154	3654	2554		0024934	0333	15297																
		OBS	0100	2154	36544	2554				15297																
		STD	0125	1979	3651	2598		0020769	0390	15254																
		OBS	0125	1979	36507	2598				15254																
		STD	0150	1859	3645	2625		0018313	0439	15224																
		OBS	0150	1859	36449	2625				15224																
		STD	0200	1760	3639	2645		0016572	0526	15203																
		OBS	0200	1760	36387	2645				15203																
		OBS	0238	1619	36100	2657				15163																
		OBS	0249	1464	35694	2660				15112																
		STD	0250	1476	3572	2660		0015239	0606	15116																
		OBS	0256	1530	35826	2656				15135																
		OBS	0288	1260	35431	2682				15048																
		STD	0300	1269	3553	2688		0012600	0675	15054																
		OBS	0300	1269	35527	2688				15054																
		OBS	0310	1297	35626	2690				15066																
		OBS	0330	0974P	3510P	2709P																				
		OBS	0346	1106	35352	2706				15003																
		OBS	0355	1106	35346	2705				15004																
		STD	0400	1002	3526	2717		0009923	0788	14974																
		OBS	0400	1002	35262	2717				14974																
		OBS	0410	1000	35257	2717				14974																
		OBS	0430	0904	35134	2724				14941																
		OBS	0450	0860	35126	2730				14927																
		OBS	0481	0857	35138	2731				14932																
		STD	0500	0813	3511	2736		0008192	0879	14918																
		OBS	0500	0813	35108	2736				14918																
	OBS	0540	0719	35006	2742				14887																	
	STD	0600	0658	3505	2754		0006504	0952	14873																	
	OBS	0600	0658	35050	2754				14873																	
	STD	0700	0533	3500	2765		0005367	1011	14839																	
	OBS	0700	0533	34995	2765				14839																	
	STD	0800	0493	3501	2771		0004862	1063	14839																	
	OBS	0800	0493	3508P	2777P																					
	STD	0900	0470	3502	2774		0004645	1110	14847																	
	OBS	0900	0470	35015	2774				14847																	
	STD	1000	0447	3501	2776		0004519	1156	14854																	
	OBS	1000	0447	35007	2776				14854																	
	STD	1100	0434	3501	2778		0004434	1201	14865																	
	OBS	1100	0434	35010	2778				14865																	
	STD	1200	0419	3500	2779		0004422	1245	14875																	
	OBS	1200	0419	34999	2779				14875																	
	STD	1300	0409	3500	2780		0004403	1289	14888																	
	OBS	1300	0409	34997	2780				14888																	
	STD	1400	0400	3500	2780		0004393	1333	14901																	
	OBS	1400	0400	34995	2780				14901																	
	OBS	1450	0397	34993	2781				14908																	

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT HOURS	MARDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER			
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT			
31	8007	EV	4005 N	06356 W		151	03	11	02	161	1966		050		4755	15	13	3	2		X2	0	3		0063
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	METER (mba)		DRY BULB	WET BULB	VIS. CODE		NO. OBS. DEPTHS									
						DT	SD	14	522	322		184	142	7		38									
MESSAGE TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T		SPECIFIC VOLUME ANOMALY-σ _t		Σ Δ D DYN. M. X 10 ³		SOUND VELOCITY		O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH					
		STD	0000	1440	3315	2469		0032586		0000		15032													
161		OBS	0000	1440	33147	2469						15032													
		STD	0010	1581	3363	2476		0032027		0032		15084													
		OBS	0010	1581	33627	2476						15084													
		STD	0020	1653	3407	2493		0030412		0064		15113													
002		OBS	0020	1653	34067	2493						15113													
		OBS	0025	1675	34130	2493						15122													
		STD	0030	1696	3424	2496		0030170		0094		15130													
		OBS	0030	1696	34236	2496						15130													
		OBS	0040	1763	34587	2507						15156													
		OBS	0049	1174	33806	2573						14959													
		STD	0050	1282	3423	2585		0021717		0146		15001													
		OBS	0050	1282	34227	2585						15001													
		OBS	0052	1000	33627	2590						14895													
		OBS	0056	1273	34516	2609						15003													
		OBS	0063	1214	34314	2605						14981													
		OBS	0065	1249	34546	2616						14996													
		STD	0075	1003	3424	2637		0016775		0194		14907													
		OBS	0075	1003	34239	2637						14907													
		OBS	0085	1270	35107	2655						15014													
		STD	0100	1350	3547	2667		0014077		0232		15048													
		OBS	0100	1350	35467	2667						15048													
		OBS	0105	1324	35427	2669						15039													
		OBS	0110	1357	35587	2675						15053													
		STD	0125	1276	3545	2681		0012853		0266		15027													
		OBS	0125	1276	35447	2681						15027													
		STD	0150	1210	3543	2692		0011784		0297		15008													
		OBS	0150	1210	35432	2692						15008													
		OBS	0171	1121	35287	2698						14979													
		STD	0200	1071	3529	2707		0010467		0352		14966													
		OBS	0200	1071	35288	2707						14966													
		STD	0250	0979	3523	2719		0009446		0402		14940													
		OBS	0271	0918	35168	2724						14920													
		STD	0300	0812	3505	2731		0008276		0447		14884													
		OBS	0300	0812	35045	2731						14884													
		STD	0400	0613	3496	2752		0006291		0519		14821													
		OBS	0400	0613	34957	2752						14821													
		OBS	0428	0562	34926	2756						14805													
		OBS	0440	0570	34962	2758						14811													
		STD	0500	0539	3499	2764		0005252		0577		14808													
		OBS	0500	0539	34987	2764						14808													
		STD	0600	0492	3501	2771		0004648		0627		14806													
		OBS	0600	0492	35006	2771						14806													
		OBS	0695	0471	35007	2774						14813													
		STD	0700	0444	3496	2773		0004532		0673		14802													
		OBS	0700	0444	34958	2773						14802													
		STD	0800	0440	3500	2777		0004254		0716		14817													
		OBS	0800	0440	35003	2777						14817													
		STD	0900	0427	3500	2778		0004242		0759		14829													
		OBS	0900	0427	34997	2778						14829													
		STD	1000	0415	3500	2779		0004200		0801		14840													
		OBS	1000	0415	34996	2779						14840													
		STD	1100	0405	3499	2780		0004202		0843		14853													
		OBS	1100	0405	34992	2780						14853													
		STD	1200	0393	3498	2780		0004225		0885		14864													
		OBS	1200	0393	34981	2780						14864													
		STD	1300	0384	3497	2780		0004267		0928		14877													
		OBS	1300	0384	34972	2780						14877													
		STD	1400	0379	3498	2781		0004232		0970		14892													
		OBS	1400	0379	34980	2781						14892													
		STD	1500	0377	3499	2783		0004205		1012		14908													
		OBS	1500	0377	34992	2783						14908													

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DATE MM/YY	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLE'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER			
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR	HGT PER	SEA		TYPE	AMT				
31	8007	EV	4023 N	06418 W		151	04	11	02	192	1966		051		4573	15	14	3	3		X2	0	3		0064
		WATER		WIND		SPEED OR FORCE		BARO- METER (mb)		AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
		COLOR CODE	TRANS. (m)	DIR.				DRY BULB	WET BULB																
		DT	SD	15				206	161	7	34														
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{ml}^{-1}$	TOTAL-P $\mu\text{g} \cdot \text{ml}^{-1}$	NO ₃ -N $\mu\text{g} \cdot \text{ml}^{-1}$	NO ₂ -N $\mu\text{g} \cdot \text{ml}^{-1}$	SiO ₄ -Si $\mu\text{g} \cdot \text{ml}^{-1}$	pH	S C							
		STD	0000	1570	3367	2481	0031485		0000	15080															
192		OBS	0000	1570	33665	2481				15080															
		STD	0010	1570	3367	2481	0031514		0031	15081															
		OBS	0010	1570	33665	2481				15081															
002		OBS	0014	1570	33665	2481				15082															
		STD	0020	1625	3393	2489	0030796		0063	15103															
		OBS	0020	1625	33930	2489				15103															
		OBS	0025	1650	34080	2495				15113															
		STD	0030	1660	3411	2494	0030320		0093	15118															
		OBS	0030	1660	34105	2494				15118															
		OBS	0040	1660	34105	2494				15119															
		OBS	0045	1420	33955	2536				15043															
		OBS	0048	1420	34455	2574				15049															
		STD	0050	1480	3496	2600	0020312		0144	15075															
		OBS	0050	1480	34955	2600				15075															
		OBS	0052	1490	34940	2597				15078															
		OBS	0054	1445	34845	2599				15063															
		OBS	0058	1475	35150	2616				15077															
		OBS	0064	1385	34955	2620				15047															
		OBS	0066	1290	34870	2633				15015															
		STD	0075	1270	3504	2650	0015626		0189	15011															
		OBS	0075	1270	35035	2650				15011															
		STD	0100	1245	3535	2679	0012909		0224	15011															
		OBS	0100	1245	35350	2679				15011															
		STD	0125	1172	3537	2695	0011484		0255	14990															
		OBS	0125	1172	35369	2695				14990															
		STD	0150	1108	3531	2702	0010855		0283	14971															
		OBS	0150	1108	35307	2702				14971															
		STD	0200	0979	3518	2714	0009743		0334	14931															
		OBS	0200	0979	35175	2714				14931															
		STD	0250	0883	3513	2724	0008861		0381	14903															
		STD	0300	0780	3504	2736	0007824		0423	14871															
		OBS	0300	0780	35042	2736				14871															
		OBS	0350	0670	34992	2747				14836															
		STD	0400	0611	3498	2754	0006117		0492	14821															
		OBS	0400	0611	34977	2754				14821															
		STD	0500	0525	3499	2766	0005084		0548	14803															
		OBS	0500	0525	34986	2766				14803															
		STD	0600	0480	3499	2771	0004590		0597	14801															
		OBS	0600	0480	34994	2771				14801															
		STD	0700	0459	3500	2774	0004409		0642	14809															
		OBS	0700	0459	34999	2774				14809															
		STD	0800	0439	3500	2777	0004264		0685	14817															
		OBS	0800	0439	35000	2777				14817															
		STD	0900	0430	3501	2778	0004205		0727	14830															
		OBS	0900	0430	35007	2778				14830															
		STD	1000	0415	3500	2779	0004193		0769	14840															
		OBS	1000	0415	34997	2779				14840															
		STD	1100	0404	3500	2780	0004167		0811	14852															
		OBS	1100	0404	34995	2780				14852															
		STD	1200	0396	3499	2781	0004174		0853	14866															
		OBS	1200	0396	34993	2781				14866															
		STD	1300	0390	3500	2782	0004160		0895	14880															
		OBS	1300	0390	34997	2782				14880															
		STD	1400	0384	3499	2782	0004194		0936	14894															
		OBS	1400	0384	34994	2782				14894															
		STD	1500	0380	3500	2783	0004214		0978	14909															
		OBS	1500	0380	34996	2783				14909															

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRAFT INCHES	MARS DEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER			
CTRY CODE	IO. NO.					10'	1'	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT PER	SEA		TYPE	AMT				
31	3007	EV	4023 N	06418 W		151	04	11	02	205	1966		051		4573	34	14	3	3		X2	7	8		0065
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS													
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	METER (mb)	DRY BULB	WET BULB																			
				15	S20	295	206	161	7	07															
MESSENGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta \theta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{ml/l}$	TOTAL-P $\mu\text{g} - \text{ml/l}$	NO ₂ -N $\mu\text{g} - \text{ml/l}$	NO ₃ -N $\mu\text{g} - \text{ml/l}$	SiO ₄ -Si $\mu\text{g} - \text{ml/l}$	pH	ST C								
205		OBS	0011	1567	33670	24820																			
		STD	0020	1625																					
205		OBS	0028	1676	34130	2492			15122																
205		OBS	T1501	0377	34956	2780			14907																
		STD	1750	0362	3495	2781	0004522		14943																
		STD	2000	0345	3495	2782	0004487		14978																
205		OBS	T2131	0336	34947	2783			14997																
		STD	2500	0306	3494	2785	0004364		15047																
205		OBS	T2671	0292	34930	2786			15070																
		STD	3000	0264	3491	2787	0004262		15115																
205		OBS	3290	0245	34899	2788			15157																
205		OBS	3400	0239	34899	2788			15174																

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INCH	MARS DEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					MO	DAY	HR.	1/10	CRUISE NO.	STATION NUMBER		DIR.	HGT PER			SEA	TYPE	AMT						
																				10"		1"			
31	8007	EV	4041 N	06435 W		151	04	11	02	432	1966		052	4389	15	12	6	4		X	0	3	0066		
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS										
						COLOR CODE	TRANS. IN.	DIR.	SPEED OF FORCE		DRY BULB	WET BULB													
						DT	SD	15	520		281	206				167	7	28							
MESSENGER TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S %.	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ OYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH									
232		STD	0000	1870	3476	2493	0030342	0000	15182																
		OBS	0000	1870	34755	2493			15182																
002		STD	0010	1870	3475	2492	0030449	0030	15184																
		OBS	0010	1870	34745	2492			15184																
		STD	0020	1870	3475	2492	0030482	0061	15185																
		OBS	0020	1870	34745	2492			15185																
		OBS	0025	1870	34745	2492			15186																
		STD	0030	1870	3475	2492	0030516	0091	15187																
		OBS	0030	1870	34745	2492			15187																
		OBS	0040	1870	34745	2492			15189																
		STD	0050	1420	3491	2609	0019448	0141	15055																
		OBS	0050	1420	34905	2609			15055																
		OBS	0070	1280	35315	2670			15017																
		STD	0075	1285	3533	2670	0013748	0183	15020																
		OBS	0075	1285	35330	2670			15020																
		OBS	0085	1275	35335	2672			15018																
		STD	0100	1220	3529	2679	0012919	0216	15002																
		OBS	0100	1220	35285	2679			15002																
		STD	0125	1135	3537	2702	0010825	0246	14977																
		OBS	0125	1135	35368	2702			14977																
		STD	0150	1078	3530	2707	0010368	0272	14960																
		OBS	0150	1078	35302	2707			14960																
	STD	0200	0940	3517	2720	0009168	0321	14917																	
	OBS	0200	0940	35167	2720			14917																	
	STD	0250	0784	3506	2737	0007660	0363	14865																	
	STD	0300	0670	3501	2749	0006539	0399	14828																	
	OBS	0300	0670	35006	2749			14828																	
	STD	0400	0570	3502	2763	0005253	0458	14805																	
	OBS	0400	0570	35022	2763			14805																	
	OBS	0450	0496	34948	2766			14782																	
	STD	0500	0482	3500	2772	0004478	0506	14785																	
	OBS	0500	0482	34997	2772			14785																	
	STD	0600	0470	3500	2773	0004425	0551	14797																	
	OBS	0600	0470	35000	2773			14797																	
	STD	0700	0447	3501	2776	0004205	0594	14804																	
	OBS	0700	0447	35007	2776			14804																	
	STD	0800	0426	3500	2778	0004115	0636	14812																	
	OBS	0800	0426	34999	2778			14812																	
	STD	0900	0417	3500	2779	0004120	0677	14824																	
	OBS	0900	0417	34997	2779			14824																	
	STD	1000	0398	3498	2779	0004118	0718	14833																	
	OBS	1000	0398	34979	2779			14833																	
	STD	1100	0397	3499	2780	0004102	0759	14849																	
	OBS	1100	0397	34992	2780			14849																	
	STD	1200	0380	3498	2781	0004071	0800	14859																	
	OBS	1200	0380	34980	2781			14859																	
	STD	1300	0380	3498	2781	0004151	0841	14876																	
	OBS	1300	0380	34981	2781			14876																	
	STD	1400	0372	3498	2782	0004128	0882	14889																	
	OBS	1400	0372	34982	2782			14889																	
	STD	1500	0370	3499	2783	0004151	0924	14905																	
	OBS	1500	0370	34987	2783			14905																	

TABLE IV.—Continued

REFERENCE CTRY CODE	SHIP ID. NO.	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH INCHES	MARS DEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER	
						10"	1'	MD	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT		
318007		EV	4101 N	06453 W		151	14	11	03	030	1966		053	3612	15	15	5	3		X2	0	3		0067
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS						
						COLOR CODE	TRANS. (mm)	DIR.	SPEED OF FORCE	-meter (mba)		DRY BULB	WET BULB											
						DT	SD	12	S22	274		167	150	7	37									
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T		SPECIFIC VOLUME ANOMALY-RTD		Σ Δ O DTN. M. x 10 ³		SOUND VELOCITY		O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	SiO ₄ -Si μg - dl/l	pH	S C			
		STD	0000	1214	3204	2429		0036476		0000		14942												
030		OBS	0000	1214	32035	2429						14942												
		STD	0010	1215	3204	2428		0036516		0036		14944												
		OBS	0010	1215	32035	2428						14944												
		STD	0020	1217	3204	2428		0036573		0073		14947												
002		OBS	0020	1217	32035	2428						14947												
		OBS	0025	1110	32090	2452						14911												
		STD	0030	0918	3237	2506		0029195		0106		14845												
		OBS	0030	0918	32370	2506						14845												
		OBS	0048	0426	33255	2640						14664												
		STD	0050	0463	3345	2651		0015355		0150		14682												
		OBS	0050	0463	33450	2651						14682												
		OBS	0065	0420	33650	2672						14669												
		STD	0075	0480	3392	2686		0012070		0185		14700												
		OBS	0075	0480	33915	2686						14700												
		OBS	0079	0494	33945	2687						14707												
		OBS	0084	0454	33805	2680						14689												
		STD	0100	0460	3403	2697		0011019		0214		14697												
		OBS	0100	0460	34030	2697						14697												
		STD	0125	0598	3445	2714		0009528		0239		14763												
		OBS	0125	0598	34445	2714						14763												
		OBS	0135	0608	34675	2723						14796												
		STD	0150	0650	3463	2721		0008863		0262		14790												
		OBS	0150	0650	34627	2721						14790												
		OBS	0169	0500	34487	2729						14731												
		OBS	0189	0481	34539	2735						14727												
		STD	0200	0507	3463	2739		0007180		0302		14741												
		OBS	0200	0507	34627	2739						14741												
		OBS	0205	0541	34746	2745						14757												
		OBS	0210	0519	34648	2740						14748												
		OBS	0230	0567	34827	2748						14773												
		STD	0250	0586	3484	2746		0006614		0337		14784												
		OBS	0252	0588	34840	2746						14785												
		OBS	0260	0555	34824	2749						14773												
		OBS	0270	0555	34877	2753						14775												
		STD	0300	0551	3488	2754		0005547		0368		14779												
		OBS	0300	0551	34879	2754						14779												
		STD	0400	0518	3494	2763		0005202		0424		14783												
		OBS	0400	0518	34942	2763						14783												
		STD	0500	0459	3495	2770		0004592		0473		14775												
		OBS	0500	0459	34945	2770						14775												
		STD	0600	0434	3495	2773		0004391		0518		14781												
		OBS	0600	0434	34947	2773						14781												
		STD	0700	0431	3497	2775		0004310		0561		14797												
		OBS	0700	0431	34967	2775						14797												
		STD	0800	0414	3498	2777		0004142		0604		14806												
		OBS	0800	0414	34976	2777						14806												
		STD	0900	0400	3497	2778		0004122		0645		14817												
		OBS	0900	0400	34969	2778						14817												
		STD	1000	0399	3498	2779		0004152		0686		14833												
		OBS	1000	0399	34976	2779						14833												
		STD	1100	0384	3497	2780		0004127		0728		14844												
		OBS	1100	0384	34967	2780						14844												
		STD	1200	0380	3497	2780		0004159		0769		14859												
		OBS	1200	0380	34968	2780						14859												
		STD	1300	0375	3497	2781		0004169		0811		14873												
		OBS	1300	0375	34970	2781						14873												
		STD	1400	0370	3498	2782		0004140		0852		14888												
		OBS	1400	0370	34977	2782						14888												
		STD	1500	0367	3498	2782		0004185		0894		14904												
		OBS	1500	0367	34977	2782						14904												

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT ° 1/10	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CITY CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT	
31	8007	EV	4126 N	06521 W		151	15	11	03	066	1966		054	2633	15	10	7	2		X2	0	3	0068
						WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
COLOR CODE		TRANS. IMI	DIR.	SPEED OR FORCE			DRY BULB	WET BULB															
DT		SD	13	S20	251	161	144	6	34														
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta \sigma$ OTN, M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g - \sigma_l/l$	TOTAL-P $\mu g - \sigma_l/l$	NO ₂ -N $\mu g - \sigma_l/l$	NO ₃ -N $\mu g - \sigma_l/l$	SiO ₄ -Si $\mu g - \sigma_l/l$	pH	S C						
		STD	0000	1220	3181	2410	0038242	0000	14942														
	066	OBS	0000	1220	31810	2410			14942														
		STD	0010	1121	3181	2428	0036544	0037	14908														
		OBS	0010	1121	31810	2428			14908														
	002	STD	0020	0880	3186	2472	0032405	0072	14822														
		OBS	0020	0880	31860	2472			14822														
		OBS	0025	0740	31950	2499			14770														
		STD	0030	0721	3206	2510	0028749	0102	14765														
		OBS	0030	0721	32060	2510			14765														
		STD	0050	0509	3249	2570	0023048	0154	14689														
		OBS	0050	0509	32490	2570			14689														
		STD	0075	0228	3300	2637	0016681	0204	14580														
		OBS	0075	0228	32995	2637			14580														
		OBS	0080	0215	33015	2639			14575														
		STD	0100	0377	3383	2690	0011680	0439	14660														
		OBS	0100	0377	33830	2690			14660														
		STD	0125	0439	3403	2699	0010859	0268	14692														
		OBS	0125	0439	34025	2699			14692														
		OBS	0132	0452	34065	2701			14699														
		OBS	0138	0508	34255	2710			14726														
		STD	0150	0508	3428	2711	0009765	0293	14728														
		OBS	0150	0508	34275	2711			14728														
		STD	0200	0500	3446	2727	0008385	0339	14736														
		OBS	0200	0500	34455	2727			14736														
		OBS	0214	0503	34510	2731			14740														
		OBS	0220	0619	34965	2752			14794														
		STD	0250	0560	3484	2750	0006261	0375	14774														
		OBS	0250	0560	34843	2750			14774														
		OBS	0269	0580	34837	2747			14785														
		STD	0300	0538	3479	2748	0006467	0407	14772														
		OBS	0300	0538	34788	2748			14772														
		OBS	0310	0520	34886	2758			14768														
		OBS	0318	0556	34907	2756			14784														
		OBS	0349	0549	34928	2758			14787														
		STD	0400	0497	3494	2765	0004972	0464	14774														
		OBS	0400	0497	34939	2765			14774														
		STD	0500	0438	3490	2769	0004669	0513	14766														
		OBS	0500	0438	34902	2769			14766														
		STD	0600	0440	3494	2771	0004543	0559	14783														
		OBS	0600	0440	34936	2771			14783														
		STD	0700	0428	3495	2774	0004401	0603	14795														
		OBS	0700	0428	34950	2774			14795														
		STD	0800	0421	3495	2775	0004410	0647	14809														
		OBS	0800	0421	34951	2775			14809														
		STD	0900	0414	3496	2776	0004387	0691	14823														
		OBS	0900	0414	34956	2776			14823														
		STD	1000	0410	3497	2777	0004353	0735	14838														
		OBS	1000	0410	34967	2777			14838														
		STD	1100	0399	3497	2778	0004311	0778	14850														
		OBS	1100	0399	34967	2778			14850														
		STD	1200	0386	3497	2780	0004241	0821	14861														
		OBS	1200	0386	34967	2780			14861														
		STD	1300	0380	3497	2780	0004261	0864	14875														
		OBS	1300	0380	34966	2780			14875														
		STD	1400	0376	3497	2781	0004297	0906	14891														
		OBS	1400	0376	34966	2781			14891														
		STD	1500	0370	3497	2781	0004297	0949	14905														
		OBS	1500	0370	34967	2781			14905														

TABLE IV.—Continued

REFERENCE		SHIP	LATITUDE	LONGITUDE	OBS. INCH	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.	CODE	' 1/10	' 1/10		10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER	BOTTOM		DIR.	HGT	PER	SEA		TYPE	AMT	
318	007	EV	4152 N	06543 W		151	15	11	03	098	1966	055	0667	07	12	7	4		X2	0	3	0069	
						WATER		WIND		AIR TEMP. °C		BARO- METER (mb)		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE			DRY BULB	WET BULB	VIS. CODE									
						DT	SD	13	535	217		172	161	7	20								
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-20°	Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₃ -N μg - at/l	SIO ₄ -Si μg - at/l	pH	S CODE						
		STD	0000	0920	3249	2514	0028320	0000	14842														
098		OBS	0000	0920	32485	2514			14842														
		STD	0010	0919	3249	2514	0028322	0028	14843														
		OBS	0010	0919	32485	2514			14843														
		STD	0020	0917	3249	2515	0028309	0057	14844														
001		OBS	0020	0917	32485	2515			14844														
		OBS	0025	0880	32535	2524			14832														
		STD	0030	0840	3255	2532	0026716	0084	14818														
		OBS	0030	0840	32550	2532			14818														
		STD	0050	0632	3309	2603	0019965	0131	14747														
		OBS	0050	0632	33090	2603			14747														
		STD	0075	0575	3341	2635	0016958	0177	14732														
		OBS	0075	0575	33405	2635			14732														
		OBS	0095	0573	33605	2651			14737														
		STD	0100	0549	3367	2658	0014740	0217	14729														
		OBS	0100	0549	33665	2658			14729														
		OBS	0111	0477	33740	2673			14702														
		STD	0125	0480	3378	2675	0013133	0251	14706														
		OBS	0125	0480	33780	2675			14706														
		OBS	0130	0478	33780	2676			14706														
		OBS	0131	0500	33860	2679			14716														
		STD	0150	0503	3387	2679	0012776	0284	14721														
		OBS	0150	0503	33865	2679			14721														
		STD	0200	0499	3415	2702	0010660	0342	14731														
		OBS	0200	0499	34149	2702			14731														
		STD	0250	0501	3441	2723	0008789	0391	14744														
		STD	0300	0503	3460	2737	0007474	0432	14755														
		OBS	0300	0503	34597	2737			14755														
		STD	0400	0460	3477	2756	0005813	0498	14756														
		OBS	0400	0460	34768	2756			14756														
		STD	0500	0447	3484	2763	0005219	0553	14768														
		OBS	0500	0447	34842	2763			14768														
		STD	0600	0448	3485	2763	0005298	0606	14786														
		OBS	0600	0448	34847	2763			14786														
		OBS	0660	0445	34867	2765			14794														

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INCHES	MARSDEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER		
CTRY CODE	IO. NO.					10"	1"	MO	DAY	HR	1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT			
318	007	EV	42178N	065580W		151	25	11	03	131	1966		056	0225	02	15	7	3		X2	0	3	0070			
						WATER		WIND		BARO- METER (mbars)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB														
						01	SD	13	S40		190	139					128	8	23							
MESSNGR TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME AND SALTY-30		Σ Δ D DTN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S CLD							
		STD	0000	0891	3225	2501		0029605	0000	14828																
131		OBS	0000	0891	32254	2501				14828																
		STD	0010	0890	3225	2501		0029607	0030	14829																
		OBS	0010	0890	32254	2501				14829																
		STD	0020	0885	3225	2502		0029550	0059	14829																
000		OBS	0020	0885	32254	2502				14829																
		OBS	0025	0884	32254	2502				14830																
		STD	0030	0880	3225	2502		0029493	0089	14829																
		OBS	0030	0880	32254	2502				14829																
		OBS	0039	0893	32130	2519				14756																
		OBS	0046	0660	32360	2543				14748																
		STD	0050	0547	3253	2569		0023163	0141	14705																
		OBS	0050	0547	32530	2569				14705																
		OBS	0066	0458	32875	2606				14675																
		OBS	0070	0400	33045	2626				14654																
		STD	0075	0399	3314	2633		0017100	0192	14655																
		OBS	0075	0399	33135	2633				14655																
		OBS	0080	0395	33150	2634				14655																
		OBS	0082	0368	33255	2645				14645																
		OBS	0086	0371	33390	2656				14649																
		OBS	0094	0420	33695	2675				14675																
		STD	0100	0422	3378	2682		0012485	0229	14678																
		OBS	0100	0422	33782	2682				14678																
		OBS	0108	0423	33831	2686				14680																
		OBS	0110	0459	33964	2692				14697																
		OBS	0118	0500	34109	2699				14718																
		STD	0125	0501	3413	2701		0010728	0258	14720																
		OBS	0125	0501	34132	2701				14720																
		OBS	0129	0502	34167	2703				14721																
		STD	0150	0585	3445	2716		0009379	0283	14762																
		OBS	0150	0585	34448	2716				14762																
		STD	0200	0562	3478	2744		0006726	0323	14765																
		OBS	0200	0562	34775	2744				14765																

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INCHES	MARSDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER					
CTRY CODE	IO. NO.					10°	1°	MO	DAY		HR. 1/10	CRUISE NO.			STATION NUMBER	DIR.	HGT		PER	SEA		TYPE	AMT			
31	8007	EV	47000N	048000W		149	78	11	06	161	1966		057		0146	01	00	2	2		X6	0	3			0071
						WATER		WIND		AIR TEMP. °C				SPECIAL OBSERVATIONS												
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mbars)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS												
						DT	SD	05	520	254	067	067	5	14												
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY-210?		$\Sigma \Delta \sigma$ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P µg - at/l	TOTAL-P µg - at/l	NO ₂ -N µg - at/l	NO ₃ -N µg - at/l	SiO ₄ -Si µg - at/l	pH	S C C							
		STO	0000	0572	3240	2556		0024375		0000	14705															
	161	OBS	0000	0572	32399	2556					14705															
		STO	0010	0562	3243	2559		0024071		0024	14703															
		OBS	0010	0562	32426	2559					14703															
		STO	0020	0562	3243	2559		0024081		0048	14705															
	000	OBS	0020	0562	32426	2559					14705															
		OBS	0025	0528	32611	2577					14694															
		STO	0030	0529	3270	2584		0021685		0071	14696															
		OBS	0030	0529	32698	2584					14696															
		OBS	0037	0294	32446	2588					14595															
		OBS	0039	0351	32986	2626					14627															
		OBS	0043	0116	32820	2631					14523															
		OBS	0044	0153	33028	2645					14542															
		STO	0050	-0010	3315	2664		0014045		0107	14471															
		OBS	0050	-0010	33152	2664					14471															
		OBS	0054	-0040	33334	2680					14460															
		STO	0075	0000	3350	2692		0011453		0139	14484															
		OBS	0075	0000	33497	2692					14484															
		STO	0100	0050	3381	2714		0009356		0165	14516															
		OBS	0100	0050	33806	2714					14516															
		OBS	0120	0093	33883	2717					14539															

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPT INCHES	MARSSEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER			
CTRY CODE	IO. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT		
31	8007	EV	47000N	047440W		149	77	11	06	177	1966		058	0175	01	00	3	2		X6	0	3	0072		
						WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS										
						COLOR CODE	TRANS. IMI	DIR.	SPEED OF FORCE		DRY BULB	WET BULB													
						DT	SD	05	S20		159	067				067	5	17							
MESSAGE TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY-210?		$\Sigma \Delta$ D DYN. M. X 10 ³		SOUND VELOCITY	O ₂ ml/l	PO ₄ -P µg - at/l	TOTAL-P µg - at/l	NO ₂ -N µg - at/l	NO ₃ -N µg - at/l	SiO ₄ -Si µg - at/l	pH	S C C					
		STO	0000	0550	3257	2571		0022884		0000		14698													
	177	OBS	0000	0550	32565	2571						14698													
		STO	0010	0545	3256	2572		0022876		0023		14698													
		OBS	0010	0545	32560	2572						14698													
		STO	0020	0523	3256	2574		0022683		0046		14690													
	000	OBS	0020	0523	32555	2574						14690													
		OBS	0025	0527	32620	2578						14694													
		STO	0030	0524	3262	2578		0022253		0068		14693													
		OBS	0030	0524	32615	2578						14693													
		OBS	0034	0505	32705	2588						14687													
		OBS	0041	0241	32630	2607						14575													
		OBS	0043	0303	32955	2627						14607													
		OBS	0046	0099	32575	2612						14512													
		STO	0050	-0032	3281	2637		0016602		0107		14456													
		OBS	0050	-0032	32805	2637						14456													
		OBS	0052	-0050	33065	2659						14452													
		OBS	0054	-0013	33445	2688						14474													
		OBS	0059	-0044	33300	2678						14459													
		STO	0075	-0017	3350	2692		0011388		0142		14477													
		OBS	0075	-0017	33495	2692						14477													
		STO	0100	0040	3372	2707		0009955		0169		14510													
		OBS	0100	0040	33720	2707						14510													
		STO	0125	0103	3387	2716		0009189		0193		14545													
		OBS	0125	0103	33870	2716						14545													
		STO	0150	0198	3415	2731		0007782		0214		14595													
		OBS	0150	0198	34145	2731						14595													

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° ' /10	LONGITUDE ° ' /10	ORIGIN INDEX	MARS DEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DR.	HGT	PER		SEA	TYPE		AMT
318007	EV		47000N	047310W		149	77	11	06	187	1966		059	0224	02	00	3	2		X6	013		0073
					WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB												
					DT	SD	OS	S35	261	067	067	5	20										
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t		Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - σt/l	TOTAL-P μg - σt/l	NO ₂ -N μg - σt/l	NO ₃ -N μg - σt/l	SiO ₄ -Si μg - σt/l	pH	Σ C					
187	STD		0000	0542	3246	2564	0023622		0000	14694													
	OBS		0000	0542	32455	2564				14694													
000	STD		0010	0513	3244	2565	0023468		0024	14683													
	OBS		0010	0513	32435	2565				14683													
	STD		0020	0535	3271	2585	0021651		0046	14697													
	OBS		0020	0535	32710	2585				14697													
	OBS		0025	0533	32725	2586				14698													
	STD		0030	0518	3276	2590	0021137		0067	14693													
	OBS		0030	0518	32755	2590				14693													
	OBS		0033	0508	32805	2595				14690													
	OBS		0035	0430	32725	2597				14650													
	OBS		0040	0400	33045	2626				14649													
	OBS		0042	0306	32970	2628				14608													
	STD		0050	0056	3301	2649	0015491		0104	14499													
	OBS		0050	0056	33005	2649				14499													
	OBS		0058	0040	33520	2691				14500													
	OBS		0062	0059	33760	2710				14513													
	OBS		0065	0040	33750	2710				14505													
	STD		0075	0075	3366	2716	0009128		0135	14524													
	OBS		0075	0075	33655	2716				14524													
	STD		0100	0132	3399	2723	0008502		0157	14555													
	OBS		0100	0132	33985	2723				14555													
	OBS		0110	0163	34105	2730				14572													
	OBS		0112	0209	34205	2735				14594													
	STD		0125	0224	3426	2738	0007144		0176	14604													
	OBS		0125	0224	34255	2738				14604													
	STD		0150	0273	3438	2744	0006622		0194	14631													
	OBS		0150	0273	34380	2744				14631													
	STD		0200	0293	3445	2747	0006342		0226	14648													
	OBS		0200	0293	34445	2747				14648													

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INDETH	MARS DEN SQUARE		STATION TIME IGMT			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER																																									
CTRY CODE	ID. NO.					10"	1'	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT																																								
318007	EV		47000N	047150W		149	77	11	06	198	1966		060	0493	04	00	3	4		X6	0	3	0074																																								
<table><tr><td colspan="3">WATER</td><td colspan="3">WIND</td><td rowspan="3">BARO- METER (mba)</td><td colspan="2">AIR TEMP. °C</td><td rowspan="3">VIS. CODE</td><td rowspan="3">NO. OBS. DEPTHS</td><td rowspan="3">SPECIAL OBSERVATIONS</td></tr><tr><td>COLOR</td><td>TRANS.</td><td>DIR.</td><td>SPEED</td><td>OR</td><td>FORCE</td><td>DRY</td><td>WET</td></tr><tr><td>CODE</td><td>(m)</td><td></td><td></td><td></td><td></td><td>BULB</td><td>BULB</td></tr><tr><td>DT</td><td>SD</td><td>05</td><td>535</td><td></td><td></td><td>261</td><td>067</td><td>067</td><td>5</td><td>20</td><td></td><td></td></tr></table>																							WATER			WIND			BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS	COLOR	TRANS.	DIR.	SPEED	OR	FORCE	DRY	WET	CODE	(m)					BULB	BULB	DT	SD	05	535			261	067	067	5	20		
WATER			WIND			BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS																																																				
COLOR	TRANS.	DIR.	SPEED	OR	FORCE		DRY	WET																																																							
CODE	(m)						BULB	BULB																																																							
DT	SD	05	535			261	067	067	5	20																																																					
MESSNGR TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-210?	Σ Δ ρ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	ST C																																														
		STD	0000	0558	3283	2591	0021024	0000	14705																																																						
198		OBS	0000	0558	32825	2591			14705																																																						
		STD	0010	0548	3289	2597	0020472	0021	14703																																																						
		OBS	0010	0548	32885	2597			14703																																																						
		STD	0020	0542	3289	2598	0020416	0041	14703																																																						
000		OBS	0020	0542	32885	2598			14703																																																						
		OBS	0025	0547	32905	2599			14706																																																						
		STD	0030	0529	3296	2605	0019757	0061	14700																																																						
		OBS	0030	0529	32955	2605			14700																																																						
		OBS	0037	0380	32945	2620			14639																																																						
		OBS	0038	0411	33455	2657			14659																																																						
		OBS	0049	0252	33605	2684			14594																																																						
		STD	0050	0261	3381	2699	0010805	0092	14601																																																						
		OBS	0050	0261	33805	2699			14601																																																						
		OBS	0054	0284	34055	2717			14615																																																						
		OBS	0062	0243	34010	2717			14598																																																						
		OBS	0070	0254	34150	2727			14606																																																						
		STD	0075	0227	3414	2728	0008051	0115	14595																																																						
		OBS	0075	0227	34135	2728			14595																																																						
		STD	0100	0322	3448	2747	0006310	0133	14645																																																						
		OBS	0100	0322	34475	2747			14645																																																						
		STD	0125	0367	3457	2750	0006040	0149	14669																																																						
		OBS	0125	0367	34570	2750			14669																																																						
		STD	0150	0410	3469	2755	0005632	0163	14693																																																						
		OBS	0150	0410	34685	2755			14693																																																						
		STD	0200	0423	3476	2759	0005293	0191	14708																																																						
		OBS	0200	0423	34755	2759			14708																																																						
		STD	0250	0434	3481	2762	0005051	0217	14721																																																						
		STD	0300	0442	3484	2764	0004967	0242	14733																																																						
		OBS	0300	0442	34840	2764			14733																																																						
		STD	0400	0449	3485	2763	0005114	0292	14755																																																						
		OBS	0400	0449	34845	2763			14753																																																						
		OBS	0450	0450	34850	2763			14762																																																						

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARDEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO DAY HR.1/10		CRUISE NO.	STATION NUMBER			DIR	WGT	PER	SEA		TYPE	AMT		
31	0007	EV	47000N	047000W	149	77	11	06 210	1966		061	1097	10	00	3	5		X2	0	3		0075
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB										
						DT	SD	05	S20		268	083				083	6	21				
MESSNGR TIME HR. 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ D DYN. M. $\times 10^3$	SOUND VELOCITY	D ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S CC					
		STD	0000	0626	3324	2615	0018745	0000	14738													
	210	OBS	0000	0626	33235	2615			14738													
		STD	0010	0710	3346	2621	0018171	0018	14776													
		OBS	0010	0710	33455	2621			14776													
		STD	0020	0743	3371	2636	0016760	0036	14794													
	001	OBS	0020	0743	33705	2636			14794													
		OBS	0025	0789	33835	2640			14814													
		STD	0030	0800	3393	2646	0015689	0052	14820													
		OBS	0030	0800	33930	2646			14820													
		STD	0050	0492	3397	2689	0011761	0060	14701													
		OBS	0050	0492	33970	2689			14701													
		OBS	0062	0576	34350	2709			14743													
		STD	0075	0517	3457	2734	0007572	0104	14724													
		OBS	0075	0517	34570	2734			14724													
		STD	0100	0472	477	2754	0005640	0121	14712													
		OBS	0100	0472	4765	2754			14712													
		STD	0125	0456	3478	2757	0005381	0134	14710													
		OBS	0125	0456	34780	2757			14710													
		STD	0150	0450	3481	2760	0005156	0148	14712													
		OBS	0150	0450	34805	2760			14712													
		STD	0200	0439	3485	2764	0004791	0172	14716													
		OBS	0200	0439	34845	2764			14716													
		STD	0250	0432	3485	2765	0004730	0196	14721													
		STD	0300	0425	3486	2767	0004668	0220	14727													
		OBS	0300	0425	34855	2767			14727													
		STD	0400	0414	3491	2772	0004260	0264	14739													
		OBS	0400	0414	34907	2772			14739													
		STD	0500	0401	3491	2773	0004214	0307	14750													
		OBS	0500	0401	34907	2773			14750													
		STD	0600	0389	3491	2775	0004175	0349	14762													
		OBS	0600	0389	34907	2775			14762													
		STD	0700	0384	3492	2776	0004099	0390	14776													
		OBS	0700	0384	34922	2776			14776													
		STD	0800	0378	3492	2777	0004114	0431	14791													
		OBS	0800	0378	34923	2777			14791													
		STD	0900	0376	3492	2777	0004186	0473	14806													
		OBS	0900	0376	34922	2777			14806													
		STD	1000	0372	3493	2778	0004146	0514	14822													
		OBS	1000	0372	34933	2778			14822													
		OBS	1050	0370	34935	2779			14829													

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° ' 10"	LONGITUDE ° ' 10"	DEPTH METER	MARSCHEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		MOOC STATION NUMBER	
CITY CODE	IO. NO.					10'	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT
318007	EV	47000N	046450W	149	76	11	06	230	1966	062	1207	11	00	2	3		X2	0	3		0076		
		WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS													
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mb)		DRY BULB	WET BULB	VIS. CODE													
		DT	SD	05	S20	268		083	083	6	24												
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY-σ _t		Σ Δ O OYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S C				
230		STD	0000	0951	3396	2624		0017856		0000	14873												
		OBS	0000	0951	33960	2624					14873												
001		STD	0010	0885	3396	2635		0016867		0017	14850												
		OBS	0010	0885	33960	2635					14850												
		STD	0020	0835	3401	2647		0015778		0034	14833												
		OBS	0020	0835	34010	2647					14833												
		OBS	0025	0831	34010	2647					14832												
		STD	0030	0829	3401	2647		0015708		0049	14832												
		OBS	0030	0829	34010	2647					14832												
		OBS	0040	0829	34065	2652					14835												
		STD	0050	0764	3429	2679		0012742		0078	14814												
		OBS	0050	0764	34290	2679					14814												
		STD	0075	0553	3458	2730		0007950		0104	14739												
		OBS	0075	0553	34575	2730					14739												
		STD	0100	0471	3472	2751		0005966		0121	14711												
		OBS	0100	0471	34720	2751					14711												
		OBS	0110	0464	34720	2752					14710												
		STD	0125	0501	3484	2756		0005468		0135	14729												
		OBS	0125	0501	34835	2756					14729												
		OBS	0137	0510	34855	2757					14735												
		STD	0150	0473	3481	2757		0005407		0149	14721												
		OBS	0150	0473	34805	2757					14721												
		STD	0200	0439	3485	2765		0004723		0174	14716												
		OBS	0200	0439	34854	2765					14716												
		STD	0250	0425	3487	2768		0004505		0197	14718												
		STD	0300	0418	3489	2770		0004360		0220	14724												
		OBS	0300	0418	34886	2770					14724												
		STD	0400	0422	3492	2772		0004259		0263	14743												
		OBS	0400	0422	34919	2772					14743												
		STD	0500	0403	3491	2773		0004236		0305	14751												
		OBS	0500	0403	34907	2773					14751												
		STD	0600	0390	3491	2775		0004149		0347	14762												
		OBS	0600	0390	34912	2775					14762												
		STD	0700	0391	3493	2776		0004142		0389	14779												
		OBS	0700	0391	34927	2776					14779												
		STD	0800	0384	3493	2777		0004131		0430	14793												
		OBS	0800	0384	34930	2777					14793												
		STD	0900	0379	3493	2777		0004170		0471	14808												
		OBS	0900	0379	34929	2777					14808												
		STD	1000	0373	3493	2778		0004165		0513	14822												
		OBS	1000	0373	34932	2778					14822												
		STD	1100	0364	3493	2779		0004143		0555	14835												
		OBS	1100	0364	34932	2779					14835												
		OBS	1150	0361	34936	2780					14842												

TABLE IV.—Continued

		WATER			WIND		BARO-METER (mbars)		AIR TEMP. °C		VIS CODE	NO. OBS.	SPECIAL OBSERVATIONS				
		COLOR CODE	TRANS. INT.	DIR.	SPEED OR FORCE			DRY BULB	WET BULB			DEPTHS					
		DT	SD	04	S15	271		111	100	b	17						
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-t	SPECIFIC VOLUME ANOMALY- σ_t	$\Delta \rho$ DYN. AL. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{dl/l}$	TOTAL-P $\mu\text{g} - \text{dl/l}$	NO ₂ -N $\mu\text{g} - \text{dl/l}$	NO ₃ -N $\mu\text{g} - \text{dl/l}$	Si O ₄ -Si $\mu\text{g} - \text{dl/l}$	pH	S C C
	004	STD	0000	1027	3385	2603	0019884	0000	14895								
		OBS	0010	1027	33850	2603			14894								
		STD	0010	1017	3385	2605	0019742	0020	14897								
		OBS	0010	1017	33850	2605			14897								
	000	STD	0020	1012	3388	2607	0019497	0039	14897								
		OBS	0020	1012	33875	2607			14897								
		OBS	0025	1011	33875	2608			14898								
		STD	0030	1010	3388	2608	0019485	0059	14898								
		OBS	0030	1010	33875	2608			14898								
		OBS	0040	1010	33875	2608			14900								
		STD	0050	0865	3393	2635	0016902	0095	14848								
		OBS	0050	0865	33925	2635			14848								
		OBS	0070	0644	34580	2718			14774								
		STD	0075	0680	3480	2731	0007889	0126	14792								
		OBS	0075	0680	34795	2731			14792								
		STD	0100	0558	3483	2749	0006173	0144	14748								
		OBS	0100	0558	34825	2749			14748								
		STD	0125	0498	3476	2750	0006032	0159	14727								
		OBS	0125	0498	34755	2750			14727								
		STD	0150	0460	3479	2758	0005377	0173	14716								
		OBS	0150	0460	34790	2758			14716								
		STD	0200	0449	3487	2765	0004750	0199	14720								
		OBS	0200	0449	34865	2765			14720								
		STD	0250	0433	3488	2768	0004516	0222	14722								
		STD	0300	0421	3489	2770	0004348	0244	14725								
		OBS	0300	0421	34892	2770			14725								
		STD	0400	0410	3492	2773	0004127	0286	14738								
		OBS	0400	0410	34919	2773			14738								
		STD	0500	0388	3491	2775	0004019	0327	14745								
		OBS	0500	0388	34914	2775			14745								
		OBS	0550	0379	34916	2776			14749								

TABLE IV.—Continued

REFERENCE CITY CODE	SHIP NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDIC	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S			DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
						10°	1°	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER				DIR.	HGT	PER	SEA		TYPE	AMT	
						10°	1°	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER				DIR.	HGT	PER	SEA		TYPE	AMT	
318007	EV		47000N	046100W		149	76	11	07	018	1966		064	03042	03	08	1	4		X2	0	3		0078
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	METER (mb)	DRY BULB	WET BULB												
						DT	SD	04	510	271	111	111	6					21						
MESSAGE TIME OF HR. 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-210°		Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - ml/l	TOTAL-P μg - ml/l	NO ₃ -N μg - ml/l	NO ₂ -N μg - ml/l	SIO ₄ -Si μg - ml/l	pH	DOC						
		STD	0000	1013	3386	2606	0019619		0000	14894														
018		OBS	0000	1013	33655	2606				14894														
		OBS	0006	1013	33855	2606				14895														
		STD	0010	0997	3386	2608	0019382		0020	14890														
000		OBS	0010	0997	33855	2608				14890														
		STD	0020	0995	3386	2609	0019370		0039	14891														
		OBS	0020	0995	33855	2609				14891														
		OBS	0025	0995	33855	2609				14891														
		STD	0030	0991	3386	2609	0019327		0056	14891														
		OBS	0030	0991	33655	2609				14891														
		OBS	0040	0950	33855	2616				14877														
		STD	0050	0808	3421	2666	0013993		0092	14830														
		OBS	0050	0808	34205	2666				14830														
		OBS	0070	0603	34415	2711				14756														
		STD	0075	0594	3453	2721	0008614		0120	14754														
		OBS	0075	0594	34525	2721				14754														
		OBS	0077	0560	34470	2721				14740														
		OBS	0084	0552	34555	2728				14739														
		OBS	0086	0510	34530	2731				14722														
		OBS	0091	0499	34545	2734				14719														
		OBS	0094	0532	34705	2743				14735														
		STD	0100	0499	3467	2744	0006650		0139	14722														
		OBS	0100	0499	34670	2744				14722														
		STD	0125	0529	3482	2752	0005879		0155	14740														
		OBS	0125	0529	34823	2752				14740														
		OBS	0132	0495	34790	2754				14727														
		STD	0150	0499	3487	2759	0005235		0169	14733														
		OBS	0150	0499	34867	2759				14733														
		STD	0200	0477	3487	2762	0005045		0195	14732														
		OBS	0200	0477	34867	2762				14732														
		STD	0250	0445	3488	2766	0004648		0219	14727														
		OBS	0280	0421	34887	2770				14722														

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE • 1/10	LONGITUDE • 1/10	DRIFT INDIC	MARSDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		MOOC STATION NUMBER					
CTRY CODE	ID. NO.					10°	1°	MO	DAY		HR.1/10	CRUISE NO.			STATION NUMBER	DIR.	HGT		PER	SEA		TYPE	AMT			
31	8007	EV	47180N	046100W		149	76	11	07	037	1966		065	0368	03	04	2	2		X2	013		0079			
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS										
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB															
						DT	SD	03	514	268	100	100	5	15												
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY=10 ³		Σ Δ ρ DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	SiO ₄ -Si μg - dl/l	pH	S CC								
037		STD	0000	0983	3394	2617	0018546		0000	14884																
		OBS	0000	0983	33935	2617				14884																
000		STD	0010	0982	3394	2617	0018550		0019	14885																
		OBS	0010	0982	33935	2617				14885																
		STD	0020	0976	3394	2618	0018475		0037	14885																
		OBS	0020	0976	33935	2618				14885																
		OBS	0025	0968	33935	2619				14883																
		STD	0030	0966	3394	2620	0018337		0055	14883																
		OBS	0030	0966	33935	2620				14883																
		OBS	0040	0964	33940	2621				14884																
		STD	0050	0810	3434	2676	0013019		0087	14833																
		OBS	0050	0810	34340	2676				14833																
		STD	0075	0690	3474	2724	0008468		0114	14795																
		OBS	0075	0690	34735	2724				14795																
		STD	0100	0664	3478	2732	0007830		0134	14790																
		OBS	0100	0664	34780	2732				14790																
		OBS	0117	0644	34835	2739				14785																
		STD	0125	0570	3472	2739	0007134		0153	14756																
		OBS	0125	0570	34720	2739				14756																
		STD	0150	0530	3476	2747	0006393		0170	14744																
		OBS	0150	0530	34760	2747				14744																
		STD	0200	0477	3483	2759	0005322		0199	14731																
OBS	0200	0477	34830	2759				14731																		
STD	0250	0444	3488	2767	0004637		0224	14727																		
STD	0300	0429	3490	2769	0004405		0246	14729																		
OBS	0300	0429	34896	2769				14729																		
OBS	0310	0428	34897	2770				14730																		

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 10'	LONGITUDE ° 10'	DRIFT INCHES	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER				
CITE CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER		SEA	TYPE		AMT			
318007	EV		47400N	046100W		149	76	11	07	066	1966	066	1075	10	03	3	4		X4	03		0080				
						WATER		WIND		BARO- METER (mbs)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
						COLOR CODE	TRANS. mm	DIR.	SPEED OR FORCE		DRY BULB	WET BULB														
						DT	SD	05	320	254	106	106	4	23												
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ D DYN. M X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	SiO ₄ -Si μg - dl/l	pH	S C									
		STD	0000	0762	3377	2639	0016502	0000	14799																	
	066	OBS	0000	0762	33770	2639			14799																	
		STD	0010	0763	3377	2636	0016532	0017	14801																	
		OBS	0010	0763	33770	2636			14801																	
		STD	0020	0910	3417	2647	0015736	0033	14853																	
	001	OBS	0020	0910	34170	2647			14863																	
		OBS	0025	0900	34085	2642			14859																	
		STD	0030	0833	3394	2641	0016286	0049	14833																	
		OBS	0030	0833	33940	2641			14833																	
		OBS	0038	0868	34165	2654			14850																	
		STD	0050	0608	3400	2669	0013656	0079	14773																	
		OBS	0050	0608	33995	2669			14773																	
		OBS	0058	0644	34190	2700			14727																	
		OBS	0064	0559	34575	2729			14739																	
		STD	0075	0486	3466	2744	0006589	0104	14712																	
		OBS	0075	0486	34655	2744			14712																	
		STD	0100	0471	3474	2752	0006610	0119	14711																	
		OBS	0100	0471	34740	2752			14711																	
		OBS	0115	0437	34705	2753			14699																	
		STD	0125	0435	3471	2754	0005718	0134	14700																	
		OBS	0125	0435	34705	2754			14700																	
		STD	0150	0428	3463	2764	0004748	0147	14703																	
		OBS	0150	0428	34628	2764			14703																	
		STD	0200	0412	3485	2767	0004488	0170	14705																	
		OBS	0200	0412	34847	2767			14705																	
		STD	0250	0406	3467	2770	0004302	0192	14711																	
		STD	0300	0402	3438	2771	0004241	0213	14717																	
		OBS	0300	0402	34879	2771			14717																	
		STD	0400	0397	3489	2772	0004209	0256	14732																	
		OBS	0400	0397	34889	2772			14732																	
		STD	0500	0394	3491	2774	0004137	0297	14747																	
		OBS	0500	0394	34907	2774			14747																	
		STD	0600	0390	3492	2775	0004127	0339	14762																	
		OBS	0600	0390	34915	2775			14762																	
		STD	0700	0382	3492	2776	0004092	0380	14776																	
		OBS	0700	0382	34920	2776			14776																	
		STD	0800	0377	3493	2777	0004080	0421	14790																	
		OBS	0800	0377	34926	2777			14790																	
		STD	0900	0368	3493	2778	0004042	0461	14803																	
		OBS	0900	0368	34924	2778			14803																	
		OBS	0980	0363	34933	2778			14814																	

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE * 1, 10	LONGITUDE * 1, 10	MARS DEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL.	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO		DAY	HR. 1/10			CRUISE NO.	STATION NUMBER	DIR		HGT	PER	
318007	EV		48000N	046100W	149 86	11	07	084	1966	067		1152	11	03	3	4	X4	03	3	0081
				WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS						
				COLOR CODE	TRANS (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB											
				DT	SU	07	S20	254	106	106	3	44								
MESSAGE TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY-10 ³	$\Sigma \Delta D$ DYN M x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P µg - at/l	TOTAL-P µg - at/l	NO ₂ -N µg - at/l	NO ₃ -N µg - at/l	SiO ₄ -Si µg - at/l	pH	S	CON		
084		STD	0000	0913	34.13	2644	0016010	0000	14861											
		OBS	0000	0913	34.130	2644			14861											
001		STD	0010	0913	34.13	2644	0016029	0016	14862											
		OBS	0010	0913	34.130	2644			14862											
		STD	0020	0911	34.13	2644	0016055	0032	14863											
		OBS	0020	0911	34.125	2644			14863											
		OBS	0025	0900	34.125	2645			14860											
		STD	0030	0871	34.13	2650	0015471	0046	14850											
		OBS	0030	0871	34.125	2650			14850											
		OBS	0036	0769	34.05	2656			14810											
		OBS	0034	0813	34.185	2664			14830											
		STD	0050	0699	34.36	2643	0011376	0075	14790											
		OBS	0050	0699	34.355	2643			14790											
		STD	0075	0469	34.68	2747	0006253	0097	14705											
		OBS	0075	0469	34.675	2747			14705											
		STD	0100	0436	34.72	2755	0005591	0112	14690											
		OBS	0100	0436	34.720	2755			14696											
		STD	0125	0429	34.76	2758	0005280	0125	14698											
		OBS	0125	0429	34.755	2758			14698											
		STD	0150	0424	34.78	2761	0005066	0138	14700											
	OBS	0150	0424	34.780	2761			14700												
	STD	0200	0428	34.87	2767	0004515	0162	14711												
	OBS	0200	0428	34.866	2767			14711												
	STD	0250	0414	34.87	2769	0004409	0184	14714												
	STD	0300	0404	34.87	2773	0004352	0206	14716												
	OBS	0300	0404	34.867	2770			14718												
	STD	0400	0398	34.88	2771	0004313	0250	14732												
	OBS	0400	0398	34.877	2771			14732												
	STD	0500	0392	34.89	2773	0004242	0292	14746												
	OBS	0500	0392	34.890	2773			14746												
	STD	0600	0391	34.90	2774	0004220	0335	14763												
	OBS	0600	0391	34.904	2774			14763												
	STD	0700	0389	34.91	2775	0004230	0377	14776												
	OBS	0700	0389	34.912	2775			14776												
	STD	0800	0385	34.92	2776	0004217	0419	14793												
	OBS	0800	0385	34.920	2776			14793												
	STD	0900	0380	34.93	2777	0004204	0461	14806												
	OBS	0900	0380	34.926	2777			14808												
	STD	1000	0369	34.93	2778	0004140	0503	14820												
	OBS	1000	0369	34.929	2778			14820												
	OBS	1060	0359	34.935	2780			14826												

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DATE INDIC	MARS DEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER
CITY CODE	ID. NO.					10"	1"	MO	DAY		HR.1/10	CRUISE NO.			STATION NUMBER	DIR	HGT		PER	SEA	
318007		EV	48190N	046100W		149	86	11	07	108	1966	068	1152	11	01	3	2		X4	03	0082
						WATER		WIND		BARO- METER (mbs)		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB		WET BULB									
						DT	SD	07	S20	254	067	067	3	21							
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{dl/l}$	TOTAL-P $\mu\text{g} - \text{dl/l}$	NO ₃ -N $\mu\text{g} - \text{dl/l}$	NO ₂ -N $\mu\text{g} - \text{dl/l}$	SiO ₄ -Si $\mu\text{g} - \text{dl/l}$	pH	S CC		
		STD	0000	0668	3368	2644		0015938		0000	14761										
	108	OBS	0000	0668	33680	2644					14761										
		STD	0010	0745	3419	2674		0013196		0015	14799										
		OBS	0010	0745	34185	2674					14799										
		STD	0020	0700	3411	2674		0013208		0028	14782										
	001	OBS	0020	0700	34105	2674					14782										
		OBS	0025	0721	34195	2678					14792										
		STD	0030	0733	3428	2682		0012396		0041	14799										
		OBS	0030	0733	34275	2682					14799										
		STD	0050	0449	3428	2718		0008977		0062	14688										
		OBS	0050	0449	34280	2718					14688										
		OBS	0052	0423	34330	2725					14678										
		STD	0075	0424	3463	2748		0006153		0081	14686										
		OBS	0075	0424	34625	2748					14686										
		STD	0100	0457	3481	2759		0005177		0095	14706										
		OBS	0100	0457	34805	2759					14706										
		STD	0125	0462	3486	2763		0004884		0108	14713										
		OBS	0125	0462	34855	2763					14713										
		STD	0150	0459	3486	2763		0004679		0120	14716										
		OBS	0150	0459	34855	2763					14716										
		STD	0200	0444	3486	2765		0004770		0144	14718										
		OBS	0200	0444	34855	2765					14718										
		STD	0250	0435	3489	2768		0004463		0167	14723										
		STD	0300	0427	3491	2771		0004271		0189	14728										
		OBS	0300	0427	34911	2771					14728										
		STD	0400	0418	3491	2771		0004319		0232	14741										
		OBS	0400	0418	34905	2771					14741										
		STD	0500	0395	3491	2774		0004148		0274	14748										
		OBS	0500	0395	34907	2774					14748										
		STD	0600	0387	3491	2775		0004123		0315	14761										
		OBS	0600	0387	34911	2775					14761										
		STD	0700	0376	3491	2776		0004083		0357	14773										
		OBS	0700	0376	34912	2776					14773										
		STD	0800	0376	3493	2778		0004024		0397	14790										
		OBS	0800	0376	34932	2778					14790										
		STD	0900	0366	3493	2779		0004018		0437	14802										
		OBS	0900	0366	34924	2779					14802										
		STD	1000	0363	3493	2779		0004069		0478	14818										
		OBS	1000	0363	34929	2779					14818										
		STD	1100	0360	3493	2779		0004117		0519	14833										
		OBS	1100	0360	34924	2779					14833										

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS DEN SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER												
CTRY CODE	ID. NO.					10"	1'	MO	DAY	HR.1/10	CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA	TYPE	AMT													
31	8007	EV	48340N	046100W	149	86	11	07	134	1966		069	2012	15	06	3	3		X4	0	3	0083											
		WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS																					
		COLOR CODE	TRANS (m)	DIR	SPEED OR FORCE	DRY BULB	WET BULB	VIS CODE																									
		DT	SD	04	514	247	083	083	1	24																							
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME AND MALT-210 ²	Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₂ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	Si O ₄ -Si μg - at/l	pH	S C																
		STD	0000	0719	3308	2590	0021109	0000	14773																								
134		OBS	0000	0719	33075	2590			14773																								
		STD	0010	0719	3308	2590	0021123	0021	14774																								
		OBS	0010	0719	33075	2590			14774																								
		STD	0020	0719	3308	2590	0021137	0042	14776																								
002		OBS	0020	0719	33075	2590			14776																								
		OBS	0025	0719	33075	2590			14777																								
		STD	0030	0725	3404	2665	0014076	0060	14793																								
		OBS	0030	0725	34035	2665			14793																								
		STD	0050	0595	3430	2702	0010511	0084	14748																								
		OBS	0050	0595	34295	2702			14748																								
		STD	0075	0478	3469	2748	0006239	0105	14709																								
		OBS	0075	0478	34690	2748			14709																								
		STD	0100	0462	3478	2756	0005456	0120	14708																								
		OBS	0100	0462	34775	2756			14708																								
		STD	0125	0460	3484	2761	0005012	0133	14712																								
		OBS	0125	0460	34835	2761			14712																								
		STD	0150	0451	3484	2762	0004942	0146	14712																								
		OBS	0150	0451	34835	2762			14712																								
		STD	0200	0438	3486	2765	0004705	0170	14715																								
		OBS	0200	0438	34855	2765			14715																								
		STD	0250	0431	3488	2768	0004495	0193	14721																								
		STD	0300	0424	3490	2770	0004328	0215	14727																								
		OBS	0300	0424	34899	2770			14727																								
		STD	0400	0414	3491	2772	0004267	0258	14739																								
		OBS	0400	0414	34906	2772			14739																								
		STD	0500	0402	3491	2773	0004225	0300	14751																								
		OBS	0500	0402	34907	2773			14751																								
		STD	0600	0389	3491	2774	0004190	0342	14762																								
		OBS	0600	0389	34905	2774			14762																								
		STD	0700	0382	3491	2775	0004188	0384	14775																								
		OBS	0700	0382	34907	2775			14775																								
		STD	0800	0377	3491	2776	0004206	0426	14790																								
		OBS	0800	0377	34907	2776			14790																								
		STD	0900	0371	3492	2777	0004165	0468	14804																								
		OBS	0900	0371	34917	2777			14804																								
		STD	1000	0367	3492	2778	0004190	0510	14819																								
		OBS	1000	0367	34919	2778			14819																								
		STD	1100	0363	3492	2778	0004212	0552	14834																								
		OBS	1100	0363	34921	2778			14834																								
		STD	1200	0360	3493	2779	0004215	0594	14850																								
		OBS	1200	0360	34927	2779			14850																								
		STD	1300	0356	3493	2780	0004226	0636	14865																								
		OBS	1300	0356	34930	2780			14865																								
		STD	1400	0355	3494	2781	0004192	0678	14884																								
		OBS	1400	0355	34944	2781			14884																								
		STD	1500	0351	3495	2782	0004200	0720	14897																								
		OBS	1500	0351	34947	2782			14897																								

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH METER	MARS DEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES		NDDC STATION NUMBER	
CTRY CODE	ID. NO.					10'	1'	MO	DAY		HR. 1/10	CRUISE NO.			STATION NUMBER	DIR	HGT		PER	SEA		TYPE
318007	EV		47420N	045240W	149	75	11	07	195	1966	070		0284	03	07	3	4		X2	0	3	0084
		WATER		WIND		BARO-METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS								
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	DRY BULB	WET BULB	DRY BULB	WET BULB	DRY BULB	WET BULB									
		DT	SD	10	S22	193	111	111	7	13												
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	D ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S	C				
		STD	0000	0994	3390	2612	0019017	0000	14888													
195		OBS	0000	0994	33895	2612			14888													
		STD	0010	0964	3390	2617	0018561	0019	14878													
		OBS	0010	0964	33895	2617			14878													
		STD	0020	0931	3402	2632	0017178	0037	14869													
000		OBS	0020	0931	34015	2632			14869													
		STD	0030	0895	3413	2646	0015831	0053	14859													
		OBS	0030	0895	34125	2646			14859													
		STD	0050	0787	3456	2696	0011094	0080	14827													
		OBS	0050	0787	34555	2696			14827													
		STD	0075	0725	3487	2730	0007971	0104	14811													
		OBS	0075	0725	34865	2730			14811													
		STD	0100	0683	3487	2736	0007447	0123	14798													
		OBS	0100	0683	34865	2736			14798													
		STD	0125	0632	3483	2739	0007120	0141	14782													
		OBS	0125	0632	34825	2739			14782													
		STD	0150	0560	3478	2745	0006599	0159	14756													
		OBS	0150	0560	34780	2745			14756													
		OBS	0174	0559	34865	2752			14761													
		OBS	0186	0493	34740	2750			14734													
		STD	0200	0487	3483	2758	0005435	0189	14735													
		OBS	0200	0487	34830	2758			14735													
		STD	0250	0446	3487	2765	0004770	0214	14728													
		OBS	0250	0446	34870	2765			14728													

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH METER	MARS DEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NDDC STATION NUMBER		
CTRY CODE	ID. NO.					10'	1'	MO	DAY		HR. 1/10	CRUISE NO.			STATION NUMBER	DIR	HGT		PER	SEA		TYPE	AMT
318007	EV		46490N	044395W	149	64	11	08	014	1966	071		0137	01	15	3	3		X2	0	3	0085	
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS									
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	DRY BULB	WET BULB	DRY BULB	WET BULB	DRY BULB	WET BULB										
		DT	SD	09	S30	125	128	122	7	10													
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ D DYN. M. $\times 10^3$	SOUND VELOCITY	D ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{dl/l}$	TOTAL-P $\mu\text{g} \cdot \text{dl/l}$	NO ₃ -N $\mu\text{g} \cdot \text{dl/l}$	NO ₃ -N $\mu\text{g} \cdot \text{dl/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{dl/l}$	pH	S	C					
		STD	0000	0979	3406	2627	0017594	0000	14884														
014		OBS	0000	0979	34055	2627			14884														
		STD	0010	0978	3406	2627	0017598	0018	14885														
		OBS	0010	0978	34055	2627			14885														
		STD	0020	0974	3406	2628	0017555	0035	14886														
007		OBS	0020	0974	34055	2628			14886														
		STD	0030	0946	3408	2634	0016949	0052	14877														
		OBS	0030	0946	34080	2634			14877														
		STD	0050	0918	3430	2656	0014925	0084	14873														
		OBS	0050	0918	34300	2656			14873														
		OBS	0054	0915	34300	2657			14872														
		STD	0075	0970	3439	2713	0009534	0115	14743														
		OBS	0075	0970	34390	2713			14743														
		OBS	0079	0479	34555	2737			14709														
		STD	0100	0469	3456	2738	0007180	0136	14708														
		OBS	0100	0469	34555	2738			14708														
		OBS	0122	0464	34560	2739			14709														

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° ' 1/10	LONGITUDE ° ' 1/10	ORBIT INCH	MARSDEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOQC STATION NUMBER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR.	1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
						14 9	53	11	08	10	11																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
31	8007	EV	45580N	043550W								1966	072		4023	15	14	9	4		X2	0	3		0086																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	METER (mb)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

TABLE IV.—Continued

REFERENCE CITY CODE	IO. NO.	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPT INDEX	MARSDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
						10"	1"	MO	DAY		HR.1/10	CRUISE NO.			STATION NUMBER	DIR.	HGT PER		SEA	TYPE		JAMT
						10"	1"	MO	DAY		HR.1/10											
318007		EV	44510N	042350W		149	42	11	08	217	1966	073	4755	15	22	4	2		X2	013		0087
						WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mb)	DRY BULB	WET BULB	VIS. CODE									
						DT	SD	21	510	115	183	178	7	32								
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	S Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SIO ₄ -Si μg - at/l	pH	S C					
	217	STD	0000	1781	3572	2588	0021261	0000	15168													
		OBS	0000	1781	35715	2588			15168													
		STD	0010	1782	3571	2588	0021354	0021	15170													
		OBS	0010	1782	35710	2588			15170													
	002	STD	0020	1789	3575	2589	0021298	0043	15174													
		OBS	0020	1789	35745	2589			15174													
		STD	0030	1796	3577	2589	0021351	0064	15178													
		OBS	0030	1796	35765	2589			15178													
		STD	0050	1800	3586	2594	0020860	0106	15183													
		OBS	0050	1800	35855	2594			15183													
		OBS	0060	1813	35935	2597			15190													
		STD	0075	1780	3609	2617	0018805	0156	15184													
		OBS	0075	1780	36085	2617			15184													
		STD	0100	1741	3635	2646	0016093	0199	15180													
		OBS	0100	1741	36345	2646			15180													
		STD	0125	1729	3638	2652	0015681	0239	15181													
		OBS	0125	1729	36375	2652			15181													
		STD	0150	1679	3628	2656	0015343	0278	15169													
		OBS	0150	1679	36275	2656			15169													
		OBS	0177	1670	36285	2659			15171													
		STD	0200	1592	3617	2668	0014339	0352	15150													
		OBS	0200	1592	36167	2668			15150													
		STD	0250	1503	3598	2674	0013921	0423	15128													
		STD	0300	1448	3590	2680	0013467	0491	15118													
		OBS	0300	1448	35903	2680			15118													
		OBS	0355	1428	35953	2688			15121													
		STD	0400	1353	3577	2690	0012785	0622	15101													
		OBS	0400	1353	35767	2690			15101													
		OBS	0440	1252	35600	2697			15072													
		OBS	0452	1289	35692	2697			15088													
		STD	0500	1214	3556	2701	0011826	0746	15069													
		OBS	0500	1214	35559	2701			15069													
		OBS	0550	1085	35381	2712			15030													
		STD	0600	1042	3536	2718	0010350	0856	15022													
		OBS	0600	1042	35359	2718			15022													
		OBS	0650	0889	35114	2724			14971													
		OBS	0680	0889	35154	2728			14977													
		STD	0700	0852	3512	2731	0009109	0954	14966													
		OBS	0700	0852	35117	2731			14966													
		STD	0800	0690	3504	2749	0007324	1036	14919													
		OBS	0800	0690	35043	2749			14919													
		OBS	0865	0605	35032	2759			14896													
		STD	0900	0610	3508	2762	0006060	1103	14904													
		OBS	0900	0610	35078	2762			14904													
		STD	1000	0524	3502	2768	0005459	1160	14885													
		OBS	1000	0524	35016	2768			14885													
		STD	1100	0489	3502	2772	0005106	1213	14888													
		OBS	1100	0489	35016	2772			14888													
		STD	1200	0472	3499	2772	0005217	1265	14897													
		OBS	1200	0472	34985	2772			14897													
		STD	1300	0441	3499	2775	0004894	1315	14901													
		OBS	1300	0441	34987	2775			14901													
		STD	1400	0424	3498	2776	0004855	1364	14911													
		OBS	1400	0424	34975	2776			14911													
		STD	1500	0415	3497	2777	0004837	1413	14924													
		OBS	1500	0415	34974	2777			14924													

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	MARS SQUARE	STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLING	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		DEPTH CODES	NODC STATION NUMBER					
CTRY CODE	IO. NO.					NO. DAY HR. 1/10							CRUISE NO.	STATION NUMBER			DIR	HGT			PER	SEA	TYPE	AMT	
						10° 1'	MO		DAY	HR.				1/10	DRY BULB										WET BULB
31	8007	EV	44090N	042250W	14942	11 09 024	1966		074		4755	15	22	3	2		X2	013		0088					
						WATER		WIND		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mb)	DRY BULB					WET BULB									
						DT	SD	22	S20	125	194					183	6	29							
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t		Σ Δ D OYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P µg · ml/l	TOTAL-P µg · ml/l	NO ₂ -N µg · ml/l	NO ₃ -N µg · ml/l	Si O ₄ -Si µg · ml/l	pH	S C	C						
		STD	0000	1866	3585	2577	0022333	0000	15194																
024		OBS	0000	1866	35845	2577			15194																
		STD	0010	1867	3585	2577	0022355	0022	15196																
		OBS	0010	1867	35850	2577			15196																
		STD	0020	1867	3585	2577	0022390	0045	15198																
002		OBS	0020	1867	35850	2577			15198																
		STD	0030	1867	3585	2577	0022425	0067	15199																
		OBS	0030	1867	35850	2577			15199																
		STD	0050	1864	3585	2578	0022423	0112	15202																
		OBS	0050	1864	35850	2578			15202																
		OBS	0065	1864	35850	2578			15204																
		STD	0075	1862	3615	2601	0020323	0165	15209																
		OBS	0075	1862	36145	2601			15209																
		STD	0100	1808	3646	2638	0016869	0212	15201																
		OBS	0100	1808	36455	2638			15201																
		OBS	0106	1790	36565	2651			15198																
		OBS	0110	1801	36500	2644			15201																
		STD	0125	1795	3652	2646	0016213	0253	15202																
		OBS	0125	1795	36515	2646			15202																
		STD	0150	1775	3652	2651	0015826	0293	15200																
		OBS	0150	1775	36515	2651			15200																
		STD	0200	1725	3643	2656	0015479	0372	15193																
		OBS	0200	1725	36425	2656			15193																
		STD	0250	1693	3637	2660	0015306	0449	15191																
		STD	0300	1641	3629	2666	0014863	0524	15183																
		OBS	0300	1641	36290	2666			15183																
		STD	0400	1479	3603	2683	0013496	0666	15146																
		OBS	0400	1479	36030	2683			15146																
		OBS	0470	1419	35915	2687			15136																
		STD	0500	1356	3582	2693	0012739	0797	15120																
		OBS	0500	1356	35820	2693			15120																
		OBS	0570	1316	35755	2696			15117																
		STD	0600	1259	3566	2700	0012259	0922	15102																
		OBS	0600	1259	35655	2700			15102																
		STD	0700	1021	3531	2717	0010593	1036	15030																
		OBS	0700	1021	35305	2717			15030																
		STD	0800	0820	3512	2735	0008793	1133	14970																
		OBS	0800	0820	35115	2735			14970																
		STD	0900	0600	3491	2750	0007191	1213	14898																
		OBS	0900	0600	34905	2750			14898																
		STD	1000	0528	3495	2762	0006035	1279	14886																
		OBS	1000	0528	34945	2762			14886																
		STD	1100	0505	3499	2768	0005548	1337	14894																
		OBS	1100	0505	34985	2768			14894																
		OBS	1150	0479	34985	2771			14892																
		STD	1200	0479	3499	2771	0005311	1391	14900																
		OBS	1200	0479	34985	2771			14900																
		STD	1300	0456	3499	2774	0005109	1443	14907																
		OBS	1300	0456	34985	2774			14907																
		STD	1400	0448	3500	2775	0005030	1494	14921																
		OBS	1400	0448	34995	2775			14921																
		STD	1500	0430	3499	2776	0004959	1544	14930																
		OBS	1500	0430	34985	2776			14930																

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INDETH	MARS DEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER										
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT											
31	507	EV	43170N	041500W		149	31	11	09	090	1966	075		4755	15	12	2			X2	013		0089										
		CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ DYN. M. $\times 10^2$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{dl}^{-1}$	TOTAL-P $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₃ -N $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₂ -N $\mu\text{g} \cdot \text{dl}^{-1}$	SiO ₄ -Si $\mu\text{g} \cdot \text{dl}^{-1}$	pH	S C C																
MESSAGE TIME HR 1/10	CAST NO.																																
		STD	0000	1765	3522	2554	0024524	0000	15157																								
		OBS	0000	1765	35215	2554			15157																								
090		STD	0010	1767	3522	2554	0024567	0025	15160																								
		OBS	0010	1767	35220	2554			15160																								
		STD	0020	1767	3523	2554	0024564	0049	15161																								
002		OBS	0020	1767	35225	2554			15161																								
		STD	0030	1768	3523	2554	0024620	0074	15163																								
		OBS	0030	1768	35225	2554			15163																								
		STD	0050	1822	3601	2600	0020292	0119	15191																								
		OBS	0050	1822	36005	2600			15191																								
		OBS	0061	1739	35880	2611			15168																								
		OBS	0068	1768	36055	2618			15179																								
		STD	0075	1725	3606	2628	0017744	0166	15168																								
		OBS	0075	1725	36055	2628			15168																								
		STD	0100	1720	3625	2644	0016297	0209	15173																								
		OBS	0100	1720	36250	2644			15173																								
		STD	0125	1642	3619	2658	0015043	0248	15153																								
		OBS	0125	1642	36190	2658			15153																								
		STD	0150	1572	3606	2664	0014520	0285	15134																								
		OBS	0150	1572	36060	2664			15134																								
		STD	0200	1439	3587	2679	0013224	0354	15098																								
		OBS	0200	1439	35870	2679			15098																								
		STD	0250	1381	3584	2689	0012398	0418	15087																								
		STD	0300	1336	3581	2696	0011888	0479	15080																								
		OBS	0300	1336	35805	2696			15080																								
		STD	0400	1284	3575	2702	0011568	0596	15078																								
		OBS	0400	1284	35745	2702			15078																								
		STD	0500	1107	3541	2710	0010952	0709	15029																								
		OBS	0500	1107	35405	2710			15029																								
		OBS	0550	1040	35345	2717			15013																								
		STD	0600	0900	3513	2724	0009639	0812	14967																								
		OBS	0600	0900	35125	2724			14967																								
		STD	0700	0732	3507	2745	0007590	0898	14919																								
		OBS	0700	0732	35070	2745			14919																								
		STD	0800	0598	3503	2760	0006108	0966	14882																								
		OBS	0800	0598	35030	2760			14882																								
		STD	0900	0548	3502	2765	0005630	1025	14879																								
		OBS	0900	0548	35020	2765			14879																								
		STD	1000	0491	3500	2771	0005138	1079	14872																								
		OBS	1000	0491	35000	2771			14872																								
		STD	1100	0460	3501	2775	0004769	1128	14876																								
		OBS	1100	0460	35010	2775			14876																								
		STD	1200	0456	3501	2775	0004858	1177	14891																								
		OBS	1200	0456	35005	2775			14891																								
		STD	1300	0426	3498	2776	0004749	1225	14895																								
		OBS	1300	0426	34980	2776			14895																								
		STD	1400	0411	3498	2778	0004684	1272	14905																								
		OBS	1400	0411	34975	2778			14905																								
		STD	1500	0400	3497	2778	0004667	1319	14917																								
		OBS	1500	0400	34970	2778			14917																								

TABLE IV.—Continued

REFERENCE		SHIP	LATITUDE	LONGITUDE	DRIFT	MARS DEN	STATION TIME		YEAR	ORIGINATOR'S		DEPTH	MAX. DEPTH	WAVE			WEA-	CLOUD	NODC		
CTRY	IO.	CODE	° ' 10"	° ' 10"	10"	SQ.	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER	TO BOTTOM	OF S'MPL'S	DIR	HGT	PER	SEA	TYPE	AMT	STATION NUMBER
318007		EV	43260N	042300W		149	32	11	09	124	1966	076	4755	15	12	2	2		X2	013	0090
		WATER		WIND		SARD-		AIR TEMP. °C				SPECIAL									
		COLOR	TRANS.	DIR.	SPEED	METER	DRY	WET	VIS.	NO.	DEPTHS										
		CODE	IMI		OR FORCE	(mba)	BULB	BULB	CODE												
		DT	SD	32	SO5	139	194	178	7	29											
MESSAGE	CAS	CARD	DEPTH (m)	T °C	S ‰	SIGMA-t	SPECIFIC VOLUME	Σ Δ D	SOUND	O ₂ ml/l	PO ₄ -P	TOTAL-P	NO ₂ -N	NO ₃ -N	SiO ₄ -Si	pH	3				
TIME	NO.	TYPE					ANOMALY-σ _t	DYN. M.	VELOCITY		μg - at/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l		C				
HR 1/10								X 10 ³													
		STD	0000	1759	3544	2573	0022748	0000	15158												
124		OBS	0000	1759	35440	2573			15158												
		STD	0010	1760	3544	2573	0022805	0023	15160												
		OBS	0010	1760	35440	2573			15160												
		STD	0020	1801	3567	2580	0022125	0045	15177												
002		OBS	0020	1801	35670	2580			15177												
		STD	0030	1766	3556	2580	0022175	0067	15167												
		OBS	0030	1766	35555	2580			15167												
		OBS	0040	1641	35425	2600			15129												
		STD	0050	1720	3582	2611	0019290	0109	15159												
		OBS	0050	1720	35815	2611			15159												
		OBS	0060	1668	35670	2612			15144												
		OBS	0067	1772	36245	2631			15183												
		STD	0075	1722	3606	2629	0017675	0155	15167												
		OBS	0075	1722	36055	2629			15167												
		STD	0100	1625	3608	2653	0015419	0196	15142												
		OBS	0100	1625	36075	2653			15142												
		STD	0125	1561	3604	2665	0014347	0234	15126												
		OBS	0125	1561	36040	2665			15126												
		STD	0150	1508	3598	2673	0013722	0269	15113												
		OBS	0150	1508	35980	2673			15113												
		STD	0200	1433	3590	2683	0012918	0335	15096												
		OBS	0200	1433	35895	2683			15096												
		STD	0250	1363	3579	2689	0012399	0399	15080												
		STD	0300	1299	3569	2695	0011994	0460	15066												
		OBS	0300	1299	35690	2695			15066												
		STD	0400	1188	3553	2704	0011292	0576	15043												
		OBS	0400	1188	35530	2704			15043												
		OBS	0430	1148	35475	2707			15033												
		OBS	0440	1169	35555	2710			15043												
		STD	0500	1067	3538	2715	0010452	0685	15015												
		OBS	0500	1067	35375	2715			15015												
		STD	0600	0920	3520	2726	0009455	0784	14976												
		OBS	0600	0920	35195	2726			14976												
		STD	0700	0695	3497	2742	0007779	0870	14903												
		OBS	0700	0695	34970	2742			14903												
		OBS	0760	0606	34955	2753			14878												
		STD	0800	0599	3499	2756	0006453	0942	14882												
		OBS	0800	0599	34985	2756			14882												
		STD	0900	0541	3501	2766	0005609	1002	14876												
		OBS	0900	0541	35010	2766			14876												
		STD	1000	0496	3499	2769	0005314	1057	14874												
		OBS	1000	0496	34985	2769			14874												
		STD	1100	0459	3498	2772	0005013	1108	14875												
		OBS	1100	0459	34975	2772			14875												
		STD	1200	0440	3498	2774	0004869	1158	14884												
		OBS	1200	0440	34975	2774			14884												
		STD	1300	0419	3497	2776	0004731	1206	14892												
		OBS	1300	0419	34970	2776			14892												
		STD	1400	0399	3497	2778	0004564	1252	14900												
		OBS	1400	0399	34970	2778			14900												
		STD	1500	0389	3496	2778	0004632	1298	14913												
		OBS	1500	0389	34955	2778			14913												

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE " 1/10	LONGITUDE " 1/10	DRIFT NODE	MARS DEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER		
CTRY CODE	ID. NO.					10"	1"	MO	DAY		HR.1/10	CRUISE NO.		STATION NUMBER	DIR.	HGT	PER		SEA	TYPE		AMT	
318007	EV		43220N	043100W		149	33	11	09	151	1966	077	4755	15	34	3	2		X2	0	3	0091	
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB											
						DT	SD	34	S15	132	178	161	7	27									
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- $\times 10^7$	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S CODE						
		STD	0000	1859	3585	2579	0022128	0000	15192														
151		OBS	0000	1859	35850	2579			15192														
		STD	0010	1859	3585	2579	0022163	0022	15194														
		OBS	0010	1859	35850	2579			15194														
		STD	0020	1859	3585	2579	0022198	0044	15195														
002		OBS	0020	1859	35850	2579			15195														
		STD	0030	1859	3585	2579	0022233	0067	15197														
		OBS	0030	1859	35850	2579			15197														
		OBS	0045	1859	35850	2579			15199														
		STD	0050	1822	3587	2590	0021272	0110	15190														
		OBS	0050	1822	35870	2590			15190														
		STD	0075	1792	3581	2593	0021083	0163	15185														
		OBS	0075	1792	35810	2593			15185														
		STD	0100	1845	3633	2619	0018660	0213	15210														
		OBS	0100	1845	36330	2619			15210														
		STD	0125	1761	3638	2644	0016427	0457	15191														
		OBS	0125	1761	36375	2644			15191														
		STD	0150	1735	3643	2654	0015543	0496	15188														
		OBS	0150	1735	36425	2654			15188														
		STD	0200	1669	3634	2663	0014809	0372	15175														
		OBS	0200	1669	36340	2663			15175														
		STD	0250	1547	3611	2674	0013925	0444	15143														
		STD	0300	1457	3596	2682	0013277	0512	15121														
		OBS	0300	1457	35955	2682			15121														
		STD	0400	1372	3589	2695	0012277	0640	15109														
		OBS	0400	1372	35890	2695			15109														
		OBS	0470	1291	35755	2701			15092														
		OBS	0480	1307	35800	2702			15100														
		STD	0500	1300	3580	2703	0011790	0760	15101														
		OBS	0500	1300	35795	2703			15101														
		OBS	0520	1283	35780	2705			15098														
		STD	0600	1041	3536	2718	0010362	0871	15022														
		OBS	0600	1041	35355	2718			15022														
		STD	0700	0860	3516	2732	0008959	0968	14969														
		OBS	0700	0860	35155	2732			14969														
		STD	0800	0720	3509	2748	0007462	1050	14931														
		OBS	0800	0720	35085	2748			14931														
		STD	0900	0580	3509	2767	0005552	1115	14892														
		OBS	0900	0580	35090	2767			14892														
		STD	1000	0524	3512	2776	0004731	1166	14887														
		OBS	1000	0524	35115	2776			14887														
		STD	1100	0492	3514	2781	0004272	1211	14891														
		OBS	1100	0492	35135	2781			14891														
		STD	1200	0471	3513	2783	0004139	1253	14899														
		OBS	1200	0471	35130	2783			14899														
		STD	1300	0448	3512	2785	0004049	1294	14906														
		OBS	1300	0448	35115	2785			14906														
		STD	1400	0419	3510	2786	0003910	1334	14910														
		OBS	1400	0419	35095	2786			14910														
		STD	1500	0407	3510	2788	0003846	1373	14922														
		OBS	1500	0407	35095	2788			14922														

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1°/10	LONGITUDE 1°/10	MARSSEN SQUARE	STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	WAVE OBSERVATIONS	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NO. OF STATION NUMBER
CRUISE NO.	STATION NUMBER					DIR.	HGT PER		SEA	TYPE			AMT						
318007	EV		43350N	043380W	149 33	11 09	186	1966	078		4755	15	34	6	4		X2	0 3	0092
				WATER		WIND		BARO- METER (mb)		AIR TEMP. °C		VTE CODE	NO. OBS. DEPTH	SPECIAL OBSERVATIONS					
				COLOR CODE	TRANS. (m)	DIR.	SPEED (kts)	FORCE	DRY BULB	WET BULB									
				DT	SD	34	525	149	161	144	7	36							
MESSAGE TIME HR 1/10	CASST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{dl/l}$	TOTAL-P $\mu\text{g} \cdot \text{dl/l}$	NO ₃ -N $\mu\text{g} \cdot \text{dl/l}$	NO ₃ -N $\mu\text{g} \cdot \text{dl/l}$	SiO ₂ -Si $\mu\text{g} \cdot \text{dl/l}$	pH	STATION NUMBER		
		STD	0000	1892	3596	2579	0022127	0000	15203										
186		OBS	0000	1892	35960	2579			15203										
		STD	0010	1893	3596	2579	0022187	0022	15205										
		OBS	0010	1893	35960	2579			15205										
		STD	0020	1894	3598	2580	0022138	0044	15207										
002		OBS	0020	1894	35975	2580			15207										
		STD	0030	1894	3601	2583	0021919	0066	15209										
		OBS	0030	1894	36010	2583			15209										
		STD	0050	1873	3603	2589	0021371	0110	15206										
		OBS	0050	1873	36025	2589			15206										
		STD	0075	1869	3605	2592	0021217	0163	15209										
		OBS	0075	1869	36045	2592			15209										
		STD	0100	1826	3615	2611	0019509	0214	15203										
		OBS	0100	1826	36150	2611			15203										
		OBS	0105	1805	36410	2636			15200										
		OBS	0115	1821	36480	2637			15208										
		STD	0125	1801	3649	2642	0016572	0259	15203										
		OBS	0125	1801	36485	2642			15203										
		STD	0150	1779	3650	2649	0016065	0300	15201										
		OBS	0150	1779	36495	2649			15201										
		STD	0200	1703	3641	2660	0015116	0378	15186										
		OBS	0200	1703	36405	2660			15186										
		STD	0250	1660	3635	2666	0014696	0452	15181										
		OBS	0260	1640	36315	2668			15176										
		STD	0300	1523	3606	2675	0013958	0224	15143										
		OBS	0300	1523	36055	2675			15143										
		OBS	0340	1421	35865	2683			15115										
		STD	0400	1383	3592	2695	0012320	0655	15113										
		OBS	0400	1383	35915	2695			15113										
		OBS	0465	1289	35705	2698			15090										
		OBS	0476	1308	35785	2700			15099										
		STD	0500	1156	3538	2698	0012073	0777	15046										
		OBS	0500	1156	35375	2698			15046										
		OBS	0560	0990	35220	2716			14995										
		OBS	0580	1006	35275	2718			15005										
		STD	0600	0907	3510	2720	0009973	0887	14969										
		OBS	0600	0907	35095	2720			14969										
		OBS	0620	0841	35055	2727			14947										
		OBS	0677	0823	35110	2735			14951										
		OBS	0690	0707	34930	2737			14906										
		STD	0700	0718	3498	2739	0008080	0978	14912										
		OBS	0700	0718	34975	2739			14912										
		OBS	0765	0746	35250	2757			14938										
		OBS	0785	0689	35150	2757			14917										
		STD	0800	0702	3516	2756	0006679	1051	14925										
		OBS	0800	0702	35155	2756			14925										
		STD	0900	0545	3502	2766	0005590	1113	14877										
		OBS	0900	0545	35020	2766			14877										
		STD	1000	0494	3499	2769	0005288	1167	14873										
		OBS	1000	0494	34985	2769			14873										
		STD	1100	0479	3502	2773	0004981	1219	14884										
		OBS	1100	0479	35015	2773			14884										
		STD	1200	0456	3500	2774	0004932	1268	14891										
		OBS	1200	0456	34995	2774			14891										
		STD	1300	0439	3499	2776	0004846	1317	14900										
		OBS	1300	0439	34990	2776			14900										
		STD	1400	0420	3499	2777	0004729	1365	14909										
		OBS	1400	0420	34985	2777			14909										
		STD	1500	0401	3498	2779	0004644	1412	14918										
		OBS	1500	0401	34975	2779			14918										

TABLE IV.—Continued

REFERENCE CTRY CODE	SHIP ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS SQUARE	STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
						16"	1"		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		TYPE	AMT		
318007	EV		43450N	044260W	149 34	11 09	221	1966	079		4755	15	02	5	3		X2	0 3	0093	
		WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS								
		COLOR		TRANS.		DIR.		SPEED OR FORCE		DRY BULB		WET BULB								
		DT		SD		03		525		193		139								
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANDALTY-X10 ³	S Δ D DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	SiO ₄ -Si μg - dl/l	pH	S C			
		STD	0000	1744	3498	2541	0025785	0000	15148											
221		OBS	0000	1744	34975	2541			15148											
		STD	0010	1744	3498	2541	0025818	0026	15150											
		OBS	0010	1744	34975	2541			15150											
		STD	0020	1759	3498	2537	0026196	0052	15156											
002		OBS	0020	1759	34975	2537			15156											
		OBS	0025	1761	34995	2538			15158											
		STD	0030	1780	3506	2538	0026135	0078	15165											
		OBS	0030	1780	35055	2538			15165											
		STD	0050	1868	3560	2558	0024369	0128	15200											
		OBS	0050	1868	35595	2558			15200											
		OBS	0055	1887	35725	2563			15207											
		STD	0075	1825	3588	2590	0021393	0186	15195											
		OBS	0075	1825	35875	2590			15195											
		OBS	0090	1819	36180	2615			15199											
		STD	0100	1620	3596	2645	0016181	0233	15139											
		OBS	0100	1620	35955	2645			15139											
		STD	0125	1599	3606	2658	0015069	0272	15138											
		OBS	0125	1599	36055	2658			15138											
		STD	0150	1480	3591	2673	0013640	0308	15103											
		OBS	0150	1480	35910	2673			15103											
		STD	0200	1208	3543	2693	0011890	0371	15016											
		OBS	0200	1208	35430	2693			15016											
		STD	0250	1099	3530	2703	0010987	0429	14984											
		OBS	0260	1049	35205	2705			14967											
		OBS	0280	0921	34950	2706			14920											
		OBS	0290	0997	35258	2718			14954											
		STD	0300	0946	3506	2711	0010299	0482	14934											
		OBS	0300	0946	35055	2711			14934											
		OBS	0308	0960	35250	2723			14943											
		OBS	0312	0902	35150	2725			14921											
		OBS	0323	0915	35200	2727			14928											
		OBS	0371	0800	34990	2729			14890											
		STD	0400	0793	3506	2735	0008062	0574	14893											
		OBS	0400	0793	35060	2735			14893											
		OBS	0425	0694	34950	2741			14857											
		OBS	0443	0719	35050	2745			14871											
		OBS	0465	0630	34900	2746			14838											
		OBS	0475	0680	35050	2751			14861											
		STD	0500	0638	3499	2751	0006563	0647	14848											
		OBS	0500	0638	34985	2751			14848											
		OBS	0579	0490	34870	2761			14800											
		STD	0600	0499	3490	2761	0005557	0707	14807											
		OBS	0600	0499	34895	2761			14807											
		STD	0700	0480	3495	2768	0005029	0760	14817											
		OBS	0700	0480	34950	2768			14817											
		STD	0800	0466	3499	2772	0004707	0809	14828											
		OBS	0800	0466	34985	2772			14828											
		STD	0900	0453	3499	2774	0004652	0856	14839											
		OBS	0900	0453	34985	2774			14839											
		STD	1000	0440	3499	2775	0004593	0902	14851											
		OBS	1000	0440	34985	2775			14851											
		STD	1100	0420	3498	2777	0004514	0948	14859											
		OBS	1100	0420	34975	2777			14859											
		STD	1200	0435	3500	2777	0004620	0993	14882											
		OBS	1200	0435	35000	2777			14882											
		STD	1300	0400	3499	2780	0004376	1038	14884											
		OBS	1300	0400	34985	2780			14884											
		STD	1400	0369	3499	2781	0004324	1082	14896											
		OBS	1400	0389	34985	2781			14896											
		STD	1500	0378	3498	2781	0004306	1125	14908											
		OBS	1500	0378	34980	2781			14908											

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	EARTH INDICIA	MARDEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLE'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10°	1°	MO	DAY	HR.	1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT		
318007		EV	43530N	045080W		149	35	11	10	024		1966	080		4641	15	01	3	4		X2	0	3		0094
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS										
						COLOR	TRANS. MT	DIR.	SPEED OR FORCE		DRY BULB	WET BULB													
						DT	SD	34	525		193	133					117	5	29						
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-10 ³	S Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	SIO ₄ -Si μg - dl/l	pH	S CC								
		STD	0000	1587	3413	2512	0028489	0000	15090																
	024	OBS	0000	1587	34125	2512			15090																
		STD	0010	1591	3412	2511	0028641	0029	15093																
		OBS	0010	1591	34120	2511			15093																
		STD	0020	1591	3412	2511	0028671	0057	15095																
	002	OBS	0020	1591	34120	2511			15095																
		OBS	0025	1596	34120	2510			15097																
		STD	0030	1601	3415	2511	0028735	0086	15100																
		OBS	0030	1601	34145	2511			15100																
		OBS	0044	1719	34755	2530			15145																
		STD	0050	1660	3485	2551	0024991	0140	15130																
		OBS	0050	1660	34845	2551			15130																
		STD	0075	1280	3522	2662	0014459	0189	15017																
		OBS	0075	1280	35220	2662			15017																
		OBS	0082	1193	35075	2668			14987																
		STD	0100	1285	3549	2682	0012679	0223	15026																
		OBS	0100	1285	35485	2682			15026																
		OBS	0110	1299	35525	2682			15033																
		STD	0125	1245	3548	2689	0012022	0254	15017																
		OBS	0125	1245	35480	2689			15017																
		STD	0150	1204	3545	2695	0011577	0283	15006																
		OBS	0150	1204	35445	2695			15006																
		STD	0200	1120	3536	2703	0010836	0339	14984																
		OBS	0200	1120	35355	2703			14984																
		STD	0250	1031	3529	2714	0009879	0391	14960																
		STD	0300	0945	3522	2724	0009067	0438	14936																
		OBS	0300	0945	35220	2724			14936																
		STD	0400	0786	3508	2738	0007810	0523	14891																
		OBS	0400	0786	35080	2738			14891																
		OBS	0470	0709	35120	2752			14873																
		STD	0500	0635	3504	2756	0006152	0593	14848																
		OBS	0500	0635	35035	2756			14848																
		OBS	0515	0589	34985	2758			14831																
		STD	0600	0553	3500	2763	0005462	0651	14831																
		OBS	0600	0553	35000	2763			14831																
		STD	0700	0509	3500	2769	0005022	0703	14829																
		OBS	0700	0509	35000	2769			14829																
		STD	0800	0473	3500	2773	0004684	0752	14831																
		OBS	0800	0473	35000	2773			14831																
		STD	0900	0455	3501	2775	0004530	0798	14840																
		OBS	0900	0455	35005	2775			14840																
		STD	1000	0440	3501	2777	0004446	0843	14851																
		OBS	1000	0440	35005	2777			14851																
		STD	1100	0421	3499	2778	0004417	0887	14859																
		OBS	1100	0421	34990	2778			14859																
		STD	1200	0410	3499	2779	0004373	0931	14872																
		OBS	1200	0410	34990	2779			14872																
		STD	1300	0387	3499	2781	0004210	0974	14879																
		OBS	1300	0387	34985	2781			14879																
		STD	1400	0380	3499	2782	0004209	1016	14892																
		OBS	1400	0380	34985	2782			14892																
		STD	1500	0378	3499	2782	0004269	1058	14908																
		OBS	1500	0378	34985	2782			14908																

TABLE IV.—Continued

REFERENCE	SHIP	LATITUDE	LONGITUDE	DEPTH	MARDEN	STATION TIME				YEAR	ORIGINATOR'S		DEPTH	MAX.	WAVE				WEA-	CLOUD	NODC					
						GMT																				
CTRY	ID.				SQUARE	MO	DAY	HR.	1/10		CRUISE	STATION	TO	DEPTH	DIR.	HGT	PER	SEA	TYPE	AMT	STATION					
CODE	NO.	1/10	1/10	INCHES	10" 1"						NO.	NUMBER	BOTTOM	OF							NUMBER					
318007	EV	44000N	045500W	149	45	11	10	056	1966		081		4389	14	34	5	2		X2	03	0095					
					WATER		WIND		BARO-		AIR TEMP. °C		NO.		SPECIAL											
					COLOR	TRANS.	DIR.	SPEED	METER	DRY	WET	VIS.	NO.													
					CODE	IMPI		OR FORCE	(mbars)	BULB	BULB	CODE	OBS.													
					DT	SD	01	S25	227	122	106	8	37													
MESSAGE	CARD	CARD	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME	Σ Δ D	SOUND	O ₂ ml/l	PO ₄ -P	TOTAL-P	NO ₃ -N	NO ₃ -N	SiO ₄ -Si	pH	CO ₂									
TIME	NO.	TYPE					ANOMALY-×10 ⁷	DYN. M. X 10 ³	VELOCITY		μg - at/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l											
HR 1/10																										
		STD	0000	1468	3374	2509	0028809	0000	15048																	
056		OBS	0000	1468	33740	2509			15048																	
		STD	0010	1469	3374	2509	0028857	0029	15050																	
		OBS	0010	1469	33740	2509			15050																	
		STD	0020	1469	3374	2509	0028885	0058	15052																	
002		OBS	0020	1469	33740	2509			15052																	
		OBS	0025	1469	33740	2509			15053																	
		STD	0030	1469	3374	2509	0028913	0067	15053																	
		OBS	0030	1469	33740	2509			15053																	
		OBS	0039	1509	34140	2531			15073																	
		OBS	0046	1400	33800	2528			15034																	
		OBS	0049	1508	34750	2578			15081																	
		STD	0050	1489	3495	2598	0020536	0136	15078																	
		OBS	0050	1489	34950	2598			15078																	
		OBS	0052	1421	3430P	2562P																				
		OBS	0055	1535P	3565P	2641P																				
		OBS	0058	1334	3410P	2565P																				
		OBS	0066	1164	3429P	2613P																				
		OBS	0068	1189	3500P	2663P																				
		OBS	0072	1101	3460P	2648P																				
		STD	0075	1144	3512	2681	0012686	0178	14969																	
		OBS	0075	1144	35120	2681			14969																	
		OBS	0080	1128	34950	2670			14962																	
		STD	0100	1254	3539	2680	0012822	0209	15014																	
		OBS	0100	1254	35385	2680			15014																	
		OBS	0106	1251	35350	2678			15014																	
		OBS	0114	1167	35125	2677			14984																	
		STD	0125	1250	3553	2692	0011750	0240	15019																	
		OBS	0125	1250	35530	2692			15019																	
		STD	0150	1215	3546	2694	0011671	0269	15010																	
		OBS	0150	1215	35460	2694			15010																	
		STD	0200	1122	3536	2703	0010872	0326	14985																	
		OBS	0200	1122	35355	2703			14985																	
		STD	0250	1052	3528	2710	0010312	0379	14967																	
		STD	0300	0959	3521	2720	0009407	0428	14941																	
		OBS	0300	0959	35205	2720			14941																	
		STD	0400	0701	3502	2745	0007021	0510	14857																	
		OBS	0400	0701	35020	2745			14857																	
		OBS	0418	0669	34970	2746			14847																	
		OBS	0429	0700	35105	2752			14862																	
		STD	0500	0601	3503	2760	0005733	0574	14834																	
		OBS	0500	0601	35030	2760			14834																	
		STD	0600	0539	3504	2768	0004986	0628	14826																	
		OBS	0600	0539	35040	2768			14826																	
		STD	0700	0498	3503	2772	0004662	0676	14825																	
		OBS	0700	0498	35030	2772			14825																	
		STD	0800	0467	3503	2776	0004387	0721	14829																	
		OBS	0800	0467	35030	2776			14829																	
		STD	0900	0443	3503	2779	0004195	0764	14836																	
		OBS	0900	0443	35030	2779			14836																	
		STD	1000	0425	3503	2780	0004073	0805	14845																	
		OBS	1000	0425	35030	2780			14845																	
		STD	1100	0406	3502	2781	0004045	0846	14853																	
		OBS	1100	0406	35015	2781			14853																	
		STD	1200	0409	3503	2782	0004066	0886	14872																	
		OBS	1200	0409	35030	2782			14872																	
		STD	1300	0398	3503	2783	0004056	0927	14884																	
		OBS	1300	0398	35025	2783			14884																	
		STD	1400	0392	3503	2784	0004070	0968	14898																	
		OBS	1400	0392	35025	2784			14898																	

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	TIME PROJECT	MARSOEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S			DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER									
CITY CODE	ID. NO.						MO	DAY	HR./10		CRUISE NO.	STATION NUMBER					DIR.	WGT	PER	SEA		TYPE	AMT									
318007		EV	44090N	046310W		149	46	11	10	097	1966	082		3931	15	02	2	2		X2	0	3		0096								
		WATER		WIND		AIR TEMP. °C		BARO- METER		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS																				
		COLOR CODE	TRANS- (m)	CIR.	SPEED OR FORCE	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS																							
		DT	SD	04	520	254	094	078	7	37																						
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta \rho$ OYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{ml/l}$	TOTAL-P $\mu\text{g} - \text{ml/l}$	NO ₂ -N $\mu\text{g} - \text{ml/l}$	NO ₃ -N $\mu\text{g} - \text{ml/l}$	SiO ₄ -Si $\mu\text{g} - \text{ml/l}$	pH	3 CLD															
		STD	0000	1360	3343	2508	0028932	0000	15009																							
097		OBS	0000	1360	33430	2508			15009																							
		STD	0010	1360	3342	2507	0029031	0029	15011																							
		OBS	0010	1360	33420	2507			15011																							
		STD	0020	1360	3343	2507	0029020	0058	15012																							
002		OBS	0020	1360	33425	2507			15012																							
		OBS	0025	1451	33655	2506			15046																							
		STD	0030	1473	3390	2520	0027860	0086	15057																							
		OBS	0030	1473	33895	2520			15057																							
		OBS	0033	1493	34105	2532			15066																							
		STD	0050	1160	3404	2593	0020895	0135	14957																							
		OBS	0050	1160	34035	2593			14957																							
		OBS	0061	0823	34020	2649			14835																							
		OBS	0066	1073	35040	2687			14941																							
		OBS	0071	1027	34945	2688			14925																							
		STD	0075	1110	3514	2689	0011939	0176	14957																							
		OBS	0075	1110	35140	2689			14957																							
		OBS	0079	1024	34945	2689			14925																							
		STD	0100	1147	3535	2698	0011110	0205	14977																							
		OBS	0100	1147	35350	2698			14977																							
		OBS	0108	1169	35365	2695			14986																							
		STD	0125	1113	3526	2697	0011229	0233	14968																							
		OBS	0125	1113	35260	2697			14968																							
		STD	0150	1027	3513	2702	0010800	0261	14940																							
		OBS	0150	1027	35125	2702			14940																							
		OBS	0161	0992	35115	2707			14929																							
		OBS	0180	1070	35265	2705			14962																							
		STD	0200	0906	3504	2716	0009564	0311	14903																							
		OBS	0200	0906	35040	2716			14903																							
		STD	0250	0809	3507	2733	0007984	0355	14874																							
		OBS	0260	0789	35070	2737			14869																							
		OBS	0270	0812	35130	2738			14880																							
		STD	0300	0780	3511	2741	0007358	0394	14872																							
		OBS	0300	0780	35105	2741			14872																							
		STD	0400	0631	3506	2758	0005803	0459	14830																							
		OBS	0400	0631	35055	2758			14830																							
		OBS	0450	0570	35040	2764			14813																							
		STD	0500	0566	3506	2766	0005091	0514	14820																							
		OBS	0500	0566	35055	2766			14820																							
		STD	0600	0496	3505	2774	0004371	0561	14808																							
		OBS	0600	0496	35050	2774			14808																							
		OBS	0640	0495	35045	2774			14814																							
		OBS	0650	0517	35115	2777			14826																							
		STD	0700	0490	3505	2775	0004413	0605	14822																							
		OBS	0700	0490	35050	2775			14822																							
		STD	0800	0450	3505	2779	0004029	0647	14822																							
		OBS	0800	0450	35050	2779			14822																							
		STD	0900	0427	3505	2781	0003887	0687	14825																							
		OBS	0900	0427	35045	2781			14829																							
		STD	1000	0410	3501	2781	0004036	0727	14838																							
		OBS	1000	0410	3504P	2783P																										
		STD	1100	0411	3498	2778	0004365	0769	14855																							
		OBS	1100	0411	3504P	2783P																										
		STD	1200	0378	3497	2780	0004156	0811	14858																							
		OBS	1200	0378	34965	2780			14858																							
		STD	1300	0376	3497	2780	0004218	0853	14874																							
		OBS	1300	0376	34965	2780			14874																							
		STD	1400	0372	3497	2781	0004216	0895	14869																							
		OBS	1400	0372	3497J	2781			14869																							
		OBS	1480	0368	34965	2781			14901																							

TABLE IV.—Continued

REFERENCE	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLING	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
										CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT		
					10'	1'	MO	DAY														HR. 1/10
310007	EV	4416 N	14712 W	14947	11	10	142	1966		083		4023	15	35	2	2		X1	6	7		0097
					WATER		WIND		BARO- METER (mbs)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB											
								33	515	274	100	078	7	14								
MESSNGR TIME HR 1/10	CST NO	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{ml}^{-1}$	TOTAL-P $\mu\text{g} \cdot \text{ml}^{-1}$	NO ₂ -N $\mu\text{g} \cdot \text{ml}^{-1}$	NO ₃ -N $\mu\text{g} \cdot \text{ml}^{-1}$	SiO ₄ -Si $\mu\text{g} \cdot \text{ml}^{-1}$	pH	S C					
		STD	0000	1314	3343	2517	0028064	0000	14994													
142		OBS	0000	1314	33428	2517			14994													
		STD	0010	1316	33444	2517	0028068	0028	14996													
142		OBS	0010	1316	33450	2517			14996													
		STD	0020	1249	3393	2568	0023207	0054	14981													
142		OBS	0026	15090	34131	25300																
		STD	0030	1184	3413	2597	0020547	0076	14963													
		STD	0050	1055	3415	2621	0018245	0114	14921													
142		OBS	0051	1049	34150	2622			14919													
		STD	0075	0671	3435	2670	0013664	0154	14850													
		STD	0100	0744	3456	2703	0010541	0165	14818													
142		OBS	0103	0733	34582	2706			14815													
		STD	0125	0705	3456	2715	0009306	0209	14809													
		STD	0150	0675	3473	2726	0008424	0231	14802													
142		OBS	0153	0672	34742	2727			14801													
		STD	0200	0630	3482	2739	0007242	0271	14793													
142		OBS	0205	06020	34826	2743																
		STD	0250	0591	3486	2749	0006370	0305	14787													
		STD	0300	0555	3493	2756	0005617	0335	14761													
142		OBS	0308	0550	34934	2758			14780													
		STD	0400	0498	3494	2765	0004991	0388	14774													
142		OBS	T0437	0482	34940	2767			14774													
		STD	0500	0466	3494	2769	0004704	0436	14776													
		STD	0600	0446	3494	2771	0004554	0482	14786													
142		OBS	T0615	0443	34944	2772			14767													
		STD	0700	0434	3495	2773	0004472	0526	14796													
		STD	0800	0422	3495	2774	0004430	0572	14809													
142		OBS	0820	0419	34954	2775			14811													
		STD	0900	0402	3494	2776	0004346	0616	14817													
		STD	1000	0367	3493	2776	0004376	0660	14828													
142		OBS	T1026	0364	34921	2776			14831													
		STD	1100	0361	3492	2777	0004407	0704	14842													
		STD	1200	0377	3493	2777	0004431	0748	14857													
142		OBS	1231	0376	34927	2777			14862													
		STD	1300	0374	3493	2778	0004450	0792	14872													
		STD	1400	0371	3493	2778	0004497	0837	14888													
		STD	1500	0368	3493	2779	0004542	0882	14904													
142		OBS	T1540	0367	34930	2779			14910													

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	MARS DEN SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SMPLS	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER			
CITY CODE	IO. NO.					MO	DAY	HR. 1/10	CRUISE NO.		STATION NUMBER	DIR.			HGT	PER	SEA		TYPE	AMT				
318007	EV		44200N	047320W	149	47	11	10	157	1966		084		3840	15	35	3	3		X1	0	3		0098
					WATER		WIND		AIR TEMP °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS											
					COLOR CODE	TRANS M	DIR.	SPEED OR FORCE	BARO- METER (mb)		DRY BULB	WET BULB	VIS. CODE											
					DT	SD	35	508	274		122	094	7	29										
MESSAGE TIME OF HR 1/10	CAS- T NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY=σ _t		Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SIO ₄ -Si μg - at/l	pH	S C						
		STD	0000	1382	3358	2515	0028260		0000	15018														
167		OBS	0000	1382	33580	2515				15018														
		STD	0010	1362	3358	2515	0028286		0028	15020														
		OBS	0010	1362	33580	2515				15020														
		STD	0020	1362	3358	2515	0028313		0057	15022														
002		OBS	0020	1382	33580	2515				15022														
		OBS	0025	1383	33585	2515				15023														
		STD	0030	1383	3359	2515	0028322		0065	15024														
		OBS	0030	1383	33585	2515				15024														
		OBS	0040	1385	33590	2515				15026														
		STD	0050	1155	3358	2559	0024195		0137	14949														
		OBS	0050	1155	33575	2559				14946														
		OBS	0068	0651	34195	2687				14772														
		STD	0075	0700	3448	2703	0010499		0181	14796														
		OBS	0075	0700	34480	2703				14796														
		STD	0100	0688	3469	2721	0006616		0205	14798														
		OBS	0100	0688	34690	2721				14798														
		STD	0125	0694	3484	2732	0007857		0226	14807														
		OBS	0125	0694	34835	2732				14807														
		OBS	0130	0707	34870	2733				14813														
		STD	0150	0684	3491	2739	0007242		0245	14808														
		OBS	0150	0684	34905	2739				14808														
		OBS	0180	0639	34680	2743				14794														
		OBS	0189	0663	34990	2748				14807														
		STD	0200	0620	3491	2748	0006444		0279	14790														
		OBS	0200	0620	34910	2748				14790														
		STD	0250	0564	3494	2755	0005835		0310	14785														
		STD	0300	0548	3496	2760	0005345		0337	14779														
		OBS	0300	0548	34955	2760				14779														
		STD	0400	0474	3494	2768	0004731		0388	14764														
		OBS	0400	0474	34935	2768				14764														
		STD	0500	0456	3496	2771	0004483		0434	14774														
		OBS	0500	0456	34955	2771				14774														
		STD	0600	0450	3500	2775	0004223		0477	14788														
		OBS	0600	0450	34995	2775				14788														
		STD	0700	0437	3501	2777	0004100		0519	14800														
		OBS	0700	0437	35005	2777				14800														
		STD	0800	0423	3500	2778	0004071		0560	14810														
		OBS	0800	0423	35000	2778				14810														
		STD	0900	0409	3500	2780	0004001		0600	14821														
		OBS	0900	0409	35000	2780				14821														
		STD	1000	0396	3499	2780	0004012		0640	14832														
		OBS	1000	0396	34990	2780				14832														
		STD	1100	0391	3499	2781	0004065		0681	14847														
		OBS	1100	0391	34987	2781				14847														
		STD	1200	0378	3498	2781	0004061		0721	14858														
		OBS	1200	0378	34978	2781				14858														
		STD	1300	0373	3498	2782	0004107		0762	14873														
		OBS	1300	0373	34975	2782				14873														
		STD	1400	0368	3498	2782	0004114		0803	14887														
		OBS	1400	0368	34977	2782				14887														
		STD	1500	0367	3498	2783	0004149		0845	14904														
		OBS	1500	0367	34982	2783				14904														

TABLE IV.—Continued

REFERENCE	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DATE INDIC	MARCEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			CLOUD CODES	WEA- THER CODE	NODC STATION NUMBER					
					10°	1°	MO	DAY		CRUISE NO.	STATION NUMBER			DIR.	HGT PER	SEA								
					10'	1'	HR	1/10																
318007	EV	44230N	047540W	147	47	11	10	185	1966	085		3592	15	35	2	2		x1	013	0099				
					WATER		WIND		AIR TEMP, °C		BARO- METER (mb)		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS									
					COLOR CODE	TRANS. M	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	VIS. CODE													
					DT	SD	35	506	295	122	092	7	31											
MESSAGE TIME HP 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANDALTY-10 ³	Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	SiO ₄ -Si μg - dl/l	pH	S C							
		STD	0000	1400	3357	2510	0026725	0000	15024															
185		OBS	0000	1400	33565	2510			15024															
		STD	0010	1400	3356	2510	0028788	0029	15026															
		OBS	0010	1400	33560	2510			15026															
		STD	0020	1400	3356	2510	0028814	0058	15027															
002		OBS	0020	1400	33560	2510			15027															
		OBS	0025	1402	33575	2510			15029															
		STD	0030	1447	3371	2511	0028721	0086	15046															
		OBS	0030	1447	33705	2511			15046															
		OBS	0040	1724	35205	2563			15152															
		STD	0050	0919	3409	2640	0016488	0132	14871															
		OBS	0056	0845	33200	2610			14755															
		OBS	0064	0655	34500	2711			14777															
		OBS	0067	0655	34300	2711			14777															
		STD	0075	0696	3460	2713	0009553	0164	14796															
		OBS	0075	0696	34600	2713			14796															
		OBS	0080	0718	34675	2716			14806															
		STD	0100	0695	3470	2721	0008872	0187	14801															
		OBS	0100	0695	34695	2721			14801															
		STD	0125	0724	3481	2725	0008486	0209	14818															
		OBS	0125	0724	34805	2725			14818															
		STD	0150	0741	3493	2732	0007872	0229	14830															
		OBS	0150	0741	34925	2732			14830															
		OBS	0161	0688	34830	2732			14810															
		OBS	0199	0674	35035	2750			14813															
		STD	0200	0650	3486	2739	0007241	0267	14802															
		OBS	0200	0650	34855	2739			14802															
		OBS	0240	0562	34855	2751			14773															
		STD	0250	0556	3487	2753	0006010	0300	14772															
		STD	0300	0529	3492	2760	0005375	0329	14770															
		OBS	0300	0529	34920	2760			14770															
		STD	0400	0482	3497	2769	0004579	0378	14768															
		OBS	0400	0482	34968	2769			14768															
		STD	0500	0455	3497	2773	0004337	0423	14774															
		OBS	0500	0455	34973	2773			14774															
		STD	0600	0453	3500	2775	0004206	0466	14790															
		OBS	0600	0453	35002	2775			14790															
		STD	0700	0431	3500	2777	0004065	0507	14797															
		OBS	0700	0431	35000	2777			14797															
		STD	0800	0412	3499	2778	0004036	0548	14806															
		OBS	0800	0412	34987	2778			14806															
		STD	0900	0403	3499	2779	0004025	0588	14819															
		OBS	0900	0403	34987	2779			14819															
		STD	1000	0399	3499	2780	0004041	0628	14834															
		OBS	1000	0399	34991	2780			14834															
		STD	1100	0376	3497	2781	0004022	0669	14840															
		OBS	1100	0376	34968	2781			14840															
		STD	1200	0374	3497	2781	0004092	0709	14856															
		OBS	1200	0374	34967	2781			14856															
		STD	1300	0370	3497	2782	0004091	0750	14871															
		OBS	1300	0370	34972	2782			14871															
		STD	1400	0369	3498	2782	0004127	0791	14888															
		OBS	1400	0369	34977	2782			14888															
		STD	1500	0362	3498	2783	0004135	0832	14902															
		OBS	1500	0362	34975	2783			14902															

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH METER	MARSOEN SQUARE		STATION TIME IGMT			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	IO. NO.					10"	1"	MO	DAY	HR, 1/10		CRUISE NO.	STATION NUMBER			OBS.					1/10	AMT	
						WATER COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mbal)						AIR TEMP. °C		WET BULB	NO. OBS. DEPTHS				
31	8007	EV	44250N	048060W	1497	40	11	10	197	1966		086	3475	15	33	2	3		X1	0	3		0100

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DATE MM/DD	MARSSEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S				DEPTH BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	IO. NO.					10'	1"	MO	DAY	HR.1/10	CRUISE NO.		STATION NUMBER	DIR.	HGT PER	SEA			TYPE	AMT						
31	8007	EV	44270N	048210W		149	48	11	10	214	1966		087		3240	15	03	2	2			X1	013		0101	
						WATER		WIND		AIR TEMP. °C				SPECIAL OBSERVATIONS												
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mb)	DRY BULB	WET BULB	VIS. CODE			NO. OBS. DEPTHS										
						DT	SD	34	505	312	106	078	7			29										
MESSENGER TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	SIO ₄ -Si μg - dl/l	pH	S °C									
214	STD	0000	1330	3340	2511	0028611	0000	14999																		
	OBS	0000	1330	33395	2511			14999																		
002	STD	0010	1331	3340	2511	0028655	0029	15001																		
	OBS	0010	1331	33395	2511			15001																		
	STD	0020	1331	3340	2511	0028681	0057	15002																		
	OBS	0020	1331	33395	2511			15002																		
	OBS	0025	1331	33395	2511			15003																		
	STD	0030	1317	3340	2514	0028439	0086	14999																		
	OBS	0030	1317	33395	2514			14999																		
	STD	0050	1086	3346	2562	0023889	0138	14923																		
	OBS	0050	1086	33455	2562			14923																		
	STD	0075	0820	3465	2699	0010945	0182	14845																		
	OBS	0075	0820	34645	2699			14845																		
	STD	0100	0755	3471	2713	0009616	0207	14624																		
	OBS	0100	0755	34705	2713			14824																		
	STD	0125	0712	3481	2727	0008323	0230	14813																		
	OBS	0125	0712	34805	2727			14813																		
	STD	0150	0614	3474	2735	0007599	0250	14778																		
	OBS	0150	0614	34735	2735			14778																		
	OBS	0160	0563	34655	2735			14758																		
	OBS	0170	0608	34935	2751			14781																		
	OBS	0190	0553	34650	2751			14761																		
	STD	0200	0570	3486	2751	0006078	0284	14770																		
	OBS	0200	0570	34875	2751			14770																		
	STD	0250	0529	3486	2755	0005732	0313	14761																		
	OBS	0264	0517	34860	2757			14759																		
	OBS	0280	0539	34955	2761			14772																		
	STD	0300	0521	3494	2762	0005130	0341	14767																		
	OBS	0300	0521	34940	2762			14767																		
	STD	0400	0489	3499	2770	0004466	0389	14771																		
	OBS	0400	0489	34994	2770			14771																		
	STD	0500	0457	3500	2774	0004167	0432	14775																		
	OBS	0500	0457	34999	2774			14775																		
	STD	0600	0438	3500	2776	0004082	0473	14783																		
	OBS	0600	0438	34995	2776			14783																		
	STD	0700	0429	35003	2778	0004019	0514	14796																		
	OBS	0700	0429	35003	2778			14796																		
	STD	0800	0412	3499	2779	0004007	0554	14806																		
	OBS	0800	0412	34991	2779			14806																		
	STD	0900	0399	3499	2780	0003985	0594	14817																		
	OBS	0900	0399	34986	2780			14817																		
	STD	1000	0393	3498	2780	0004050	0634	14831																		
	OBS	1000	0393	34980	2780			14831																		
	STD	1100	0386	3498	2781	0004048	0674	14845																		
	OBS	1100	0386	34981	2781			14845																		
	STD	1200	0377	3498	2781	0004063	0715	14858																		
	OBS	1200	0377	34976	2781			14858																		
	STD	1300	0370	3498	2782	0004062	0755	14871																		
	OBS	1300	0370	34976	2782			14871																		
	STD	1400	0367	3498	2782	0004116	0796	14887																		
	OBS	1400	0367	34975	2782			14887																		
	STD	1500	0367	3499	2783	0004119	0838	14904																		
	OBS	1500	0367	34986	2783			14904																		

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	UNIT INCH	MARSDEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR.	1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT		
						10"	1"	MO	DAY	HR.	1/10						DIR.	HGT	PER	SEA		TYPE	AMT		
318	007	EV	44300N	048360W		149	48	11	10	229	1966		088		2700	15	00	0			X0	0	3		0102
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
						COLOR CODE	TRANS. IM	DIR.	SPEED OR FORCE			DRY BULB	WET BULB												
						DT	SD	22	502	322	089	072	7											25	
MESSENGER TIME OF HR 1/10		CAST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY-30°	Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₂ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S CTC							
			STD	0000	1148	3353	2556	0024327	0000	14938															
229			OBS	0000	1148	33525	2556			14938															
			STD	0010	1148	3352	2556	0024387	0024	14940															
			OBS	0010	1148	33520	2556			14940															
			STD	0020	1148	3352	2556	0024409	0049	14941															
002			OBS	0020	1148	33520	2556			14941															
			OBS	0025	1147	33520	2556			14942															
			STD	0030	1147	3352	2556	0024414	0073	14942															
			OBS	0030	1147	33520	2556			14942															
			STD	0050	1025	3352	2578	0022395	0120	14902															
			OBS	0050	1025	33520	2578			14902															
			STD	0075	0686	3421	2684	0012325	0163	14787															
			OBS	0075	0686	34210	2684			14787															
			OBS	0086	0736	34775	2721			14816															
			STD	0100	0671	3469	2723	0008629	0190	14791															
			OBS	0100	0671	34685	2723			14791															
			STD	0125	0602	3473	2735	0007488	0210	14769															
			OBS	0125	0602	34725	2735			14769															
			STD	0150	0575	3478	2743	0006818	0228	14762															
			OBS	0150	0575	34775	2743			14762															
			STD	0200	0538	3486	2754	0005841	0259	14757															
			OBS	0200	0538	34855	2754			14757															
			STD	0250	0507	3486	2757	0005537	0288	14752															
			STD	0300	0488	3485	2759	0005383	0315	14753															
			OBS	0300	0488	34854	2759			14753															
			STD	0400	0485	3501	2772	0004286	0363	14770															
			OBS	0400	0485	35012	2772			14770															
			STD	0500	0447	3498	2774	0004185	0406	14770															
			OBS	0500	0447	34981	2774			14770															
			STD	0600	0433	3499	2776	0004075	0447	14781															
			OBS	0600	0433	34988	2776			14781															
			STD	0700	0425	3500	2778	0004032	0488	14795															
			OBS	0700	0425	34995	2778			14795															
			STD	0800	0382	3494	2778	0004041	0528	14792															
			OBS	0800	0382	34939	2778			14792															
			STD	0900	0399	3498	2779	0004029	0568	14817															
			OBS	0900	0399	34980	2779			14817															
			STD	1000	0399	3499	2780	0004041	0609	14834															
			OBS	1000	0399	34991	2780			14834															
			STD	1100	0392	3499	2781	0004063	0649	14847															
			OBS	1100	0392	34989	2781			14847															
			STD	1200	0381	3499	2782	0004032	0690	14859															
			OBS	1200	0381	34987	2782			14859															
			STD	1300	0366	3497	2782	0004078	0730	14870															
			OBS	1300	0366	34967	2782			14870															
			STD	1400	0366	3497	2782	0004118	0771	14886															
			OBS	1400	0366	34973	2782			14886															
			STD	1500	0367	3499	2783	0004112	0812	14904															
			OBS	1500	0367	34987	2783			14904															

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARKS DEN SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY		HR.1/10	CRUISE NO.			STATION NUMBER	DIR.	HGT	PER		SEA	TYPE	
318007	EV		44330N	048510W	149	48	11	11	005	1966		089	1737	15	00				X1	0	3	0103
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS										
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	DRY BULB	WET BULB													
		DT	SD	29	S10	318	094	072	7	34												
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	COR.					
		STD	0000	1140	3351	2556	0024336	0000	14935													
	005	OBS	0000	1140	33505	2556			14935													
		STD	0010	1131	3349	2557	0024313	0024	14933													
		OBS	0010	1131	33490	2557			14933													
	002	STD	0020	1051	3334	2559	0024127	0049	14904													
		OBS	0020	1051	33335	2559			14904													
		OBS	0025	0994	33345	2569			14885													
		STD	0030	0954	3327	2570	0023110	0072	14870													
		OBS	0030	0954	33265	2570			14870													
		OBS	0040	0606	32930	2593			14732													
		STD	0050	0537	3318	2615	0018790	0114	14730													
		OBS	0050	0587	33175	2615			14730													
		OBS	0055	0620	33635	2647			14750													
		OBS	0066	0311	33375	2660			14620													
		STD	0075	0304	3387	2700	0010728	0451	14625													
		OBS	0075	0304	33865	2700			14625													
		OBS	0080	0304	34225	2729			14630													
		OBS	0085	0400	3437	2731			14674													
		OBS	0090	0585	3475	2740			14756													
		OBS	0092	0585	3478	2742			14757													
		STD	0100	0541	3472	2743	0006757	0173	14740													
		OBS	0100	0541	34720	2743			14740													
		OBS	0120	0575	34805	2745			14758													
		STD	0125	0571	3481	2746	0006512	0189	14757													
		OBS	0125	0571	34805	2746			14757													
		OBS	0135	0457	34625	2745			14710													
		STD	0150	0461	3472	2752	0005949	0205	14715													
		OBS	0150	0461	34715	2752			14715													
		STD	0200	0455	3481	2759	0005264	0233	14722													
		OBS	0200	0455	34805	2759			14722													
		OBS	0230	0480	34905	2764			14738													
		STD	0250	0479	3490	2764	0004879	0258	14741													
		STD	0300	0472	3490	2765	0004693	0283	14747													
		OBS	0300	0472	34895	2765			14747													
		STD	0400	0435	3490	2769	0004545	0330	14748													
		OBS	0400	0435	34900	2769			14748													
		STD	0500	0420	3490	2771	0004479	0375	14758													
		OBS	0500	0420	34900	2771			14758													
		STD	0600	0399	3490	2773	0004339	0419	14766													
		OBS	0600	0399	34900	2773			14766													
		STD	0700	0389	3491	2775	0004245	0462	14778													
		OBS	0700	0389	34910	2775			14778													
		STD	0800	0381	3491	2776	0004244	0505	14792													
		OBS	0800	0381	34910	2776			14792													
		STD	0900	0377	3491	2776	0004287	0547	14807													
		OBS	0900	0377	34910	2776			14807													
		STD	1000	0376	3491	2776	0004363	0590	14823													
		OBS	1000	0376	34910	2776			14823													
		STD	1100	0375	3492	2777	0004401	0634	14839													
		OBS	1100	0375	34915	2777			14839													
		STD	1200	0377	3493	2777	0004438	0678	14857													
		OBS	1200	0377	34925	2777			14857													
		STD	1300	0374	3495	2779	0004340	0722	14873													
		OBS	1300	0374	34945	2779			14873													
		STD	1400	0372	3495	2779	0004400	0766	14889													
		OBS	1400	0372	34945	2779			14889													
		STD	1500	0370	3495	2779	0004458	0810	14905													
		OBS	1500	0370	34945	2779			14905													

TABLE IV.—Continued

REFERENCE	SHIP ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INDIC	MARSDEN SQUARE	STATION TIME IGMT	YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER																										
									CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT																											
318007	EV		44360N	049060W		149	49	11 11 02	1966	090	0710	06	00					X1	013		0104																									
<table><tr><td colspan="2">WATER</td><td colspan="2">WIND</td><td rowspan="3">BARO- METER (mbars)</td><td colspan="2">AIR TEMP. °C</td><td rowspan="3">VIS. CODE</td><td rowspan="3">NO. OBS. DEPTHS</td><td rowspan="3">SPECIAL OBSERVATIONS</td></tr><tr><td>COLOR CODE</td><td>TRANS. (m)</td><td>DIR.</td><td>SPEED OR FORCE</td><td>DRY BULB</td><td>WET BULB</td></tr><tr><td>DT</td><td>SD</td><td>27</td><td>507</td><td>318</td><td>094</td><td>072</td><td>7</td><td>20</td></tr></table>																						WATER		WIND		BARO- METER (mbars)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS	COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	DT	SD	27	507	318	094	072	7	20
WATER		WIND		BARO- METER (mbars)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS																																					
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB																																								
DT	SD	27	507		318	094				072	7	20																																		
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C																													
		STD	0000	0949	3338	2579	0022123	0000	14864																																					
	026	OBS	0000	0949	33380	2579			14864																																					
		STD	0010	0872	3330	2585	0021610	0022	14830																																					
		OBS	0010	0872	33295	2585			14636																																					
		STD	0020	0733	3319	2597	0020501	0043	14783																																					
	001	OBS	0020	0733	33185	2597			14783																																					
		OBS	0025	0699	33115	2596			14769																																					
		STD	0030	0645	3307	2599	0020286	0063	14748																																					
		OBS	0030	0645	33065	2599			14748																																					
		STD	0050	0450	3305	2620	0018263	0102	14671																																					
		OBS	0050	0450	33045	2620			14671																																					
		OBS	0057	0100	33205	2663			14523																																					
		OBS	0064	0046	33425	2683			14503																																					
		STD	0075	0041	3365	2701	0010534	0138	14505																																					
		OBS	0075	0041	33645	2701			14505																																					
		OBS	0086	0130	34055	2729			14553																																					
		STD	0100	0153	3410	2731	0007775	0161	14566																																					
		OBS	0100	0153	34100	2731			14566																																					
		STD	0125	0164	3413	2732	0007633	0180	14575																																					
		OBS	0125	0164	34130	2732			14575																																					
		STD	0150	0170	3412	2731	0007760	0199	14562																																					
		OBS	0150	0170	34120	2731			14582																																					
		OBS	0165	0225	34306	2742			14611																																					
		STD	0200	0268	3442	2747	0006323	0234	14637																																					
		OBS	0200	0268	34418	2747			14637																																					
		STD	0250	0307	3453	2753	0005866	0265	14664																																					
		STD	0300	0339	3461	2756	0005588	0294	14687																																					
		OBS	0300	0339	34613	2756			14687																																					
		STD	0400	0384	3472	2760	0005325	0348	14724																																					
		OBS	0400	0384	34721	2760			14724																																					
		STD	0500	0406	3478	2762	0005246	0401	14751																																					
		OBS	0500	0406	34776	2762			14751																																					
		STD	0600	0428	3487	2767	0004923	0452	14777																																					
		OBS	0600	0428	34866	2767			14777																																					
		OBS	0650	0428	34857	2766			14786																																					

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INDIC	MARSDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER																											
CTRY CODE	ID. NO.					10"	1"	MO	OAT		HR./10	CRUISE NO.			STATION NUMBER	DIR.	HGT		PER	SEA		TYPE	AMT																									
318007	EV		44390N	049200W		149	49	11	11	040	1966		091	0058	01	22	1	2		X0	013		0105																									
<table><tr><td colspan="2">WATER</td><td colspan="2">WIND</td><td rowspan="3">BARO- METER (mbars)</td><td colspan="2">AIR TEMP. °C</td><td rowspan="3">VIS. CODE</td><td rowspan="3">NO. OBS. DEPTHS</td><td rowspan="3">SPECIAL OBSERVATIONS</td></tr><tr><td>COLOR CODE</td><td>TRANS. (m)</td><td>DIR.</td><td>SPEED OF FORCE</td><td>DRY BULB</td><td>WET BULB</td></tr><tr><td>DT</td><td>SD</td><td>22</td><td>514</td><td>318</td><td>067</td><td>061</td><td>7</td><td>08</td></tr></table>																								WATER		WIND		BARO- METER (mbars)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS	COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	DRY BULB	WET BULB	DT	SD	22	514	318	067	061	7	08
WATER		WIND		BARO- METER (mbars)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS																																							
COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE		DRY BULB	WET BULB																																										
DT	SD	22	514		318	067				061	7	08																																				
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C																															
		STD	0000	0551	3295	2602	0020008	0000	14704																																							
	040	OBS	0000	0551	32950	2602			14704																																							
		STD	0010	0551	3295	2602	0020018	0020	14705																																							
		OBS	0010	0551	32950	2602			14705																																							
		STD	0020	0547	3295	2602	0019984	0040	14705																																							
	000	OBS	0020	0547	32950	2602			14705																																							
		OBS	0025	0549	32965	2603			14707																																							
		STD	0030	0540	3298	2605	0019729	0060	14705																																							
		OBS	0030	0540	32975	2605			14705																																							
		OBS	0040	0180	32685	2616			14549																																							
		STD	0050	0055	3330	2672	0013276	0093	14503																																							
		OBS	0050	0055	33295	2672			14503																																							
		OBS	0055	0053	33545	2693			14506																																							

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	CHRT INCH	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1'	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER		SEA	TYPE		AMT
318007	EV		4310 N	05020 W		150	30	11	11	131	1966		092	0073	00	00	0			X1	0	3	0106
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB											
						DT	SD	19	503		325	078	067	7	09								
MESSENGR TIME OF HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta D$ DYN. M. $\times 10^3$		SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S OC				
		STD	0000	0720	3324	2603	0019891		0000		14775												
131		OBS	0000	0720	3324	2603					14775												
		STD	0010	0718	3323	2602	0019954		0020		14770												
		OBS	0010	0718	3323	2602					14770												
		STD	0020	0718	3323	2602	0019966		0040		14778												
000		OBS	0020	0718	3323	2602					14778												
		OBS	0025	0718	3323	2602					14778												
		STD	0030	0605	3305	2603	0019915		0060		14732												
		OBS	0030	0605	3305	2603					14732												
		OBS	0032	0530	3290	2606					14701												
		OBS	0042	0380	3305	2628					14641												
		OBS	0048	0370	3324	2644					14640												
		STD	0050	0337	3322	2646	0015068		0096		14626												
		OBS	0050	0337	3322	2646					14626												

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	CHRT INCH	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1'	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER		SEA	TYPE		AMT
318007	EV		4300 N	05020 W		150	30	11	11	148	1966		093	0077	01	00	0			X1	0	3	0107
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB											
						DT	SD	00	500		322	078	067	8	09								
MESSENGR TIME OF HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta D$ DYN. M. $\times 10^3$		SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S OC				
		STD	0000	0705	3329	2609	0019323		0000		14770												
148		OBS	0000	0705	3329	2609					14770												
		STD	0010	0689	3328	2610	0019206		0019		14765												
		OBS	0010	0689	3328	2610					14765												
		STD	0020	0677	3329	2613	0018992		0036		14762												
000		OBS	0020	0677	3328	2612					14762												
		OBS	0025	0668	3325	2611					14759												
		STD	0030	0654	3326	2613	0018940		0057		14754												
		OBS	0030	0654	3325	2613					14754												
		OBS	0034	0650	3325	2613					14753												
		OBS	0042	0559	3325	2625					14718												
		STD	0050	0246	3317	2649	0015487		0092		14586												
		OBS	0050	0246	3316	2649					14586												
		OBS	0054	0203	3340	2671					14571												

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	CHRT INCH	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER				
CTRY CODE	ID. NO.					10"	1'	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT					
						150	30	11	11	148															093	0077	01
318007	EV		4300 N	05020 W							1966										X1	0	3				0107
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS												
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB															
						DT	SD	00	500		322	078	067	8	09												
MESSENGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta D$ DYN. M. $\times 10^3$		SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S OC								
		STD	0000	0705	3329	2609	0019323		0000		14770																
148		OBS	0000	0705	3329	2609					14770																
		STD	0010	0689	3328	2610	0019206		0019		14765																
		OBS	0010	0689	3328	2610					14765																
		STD	0020	0677	3324	2613	0018992		0036		14762																
000		OBS	0020	0677	3324	2613					14762																
		OBS	0025	0668	3325	2611					14759																
		STD	0030	0654	3326	2613	0018940		0057		14754																
		OBS	0030	0654	3325	2613					14754																
		OBS	0034	0650	3325	2613					14753																
		OBS	0042	0559	3325	2625					14718																
		STD	0050	0246	3317	2649	0015487		0092		14586																
		OBS	0050	0246	3316	2649					14586																
		OBS	0054	0203	3340	2671					14571																

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° ' 1/10	LONGITUDE ° ' 1/10	DIREC- TION	MARS SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NDDC STATION NUMBER
CRUISE CODE	IO. NO.					10°	1°	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE	
318007	EV	4251 N	05020 W	150	20	11	11	157	1966		074	0220	02		2			X1	03		0108	
					WATER		WIND		BARO- METER		AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
					COLOR CODE	TRANS (m)	DIP.	SPEED OF FORCE	DRY BULB		WET BULB											
					DT	SD	00	500	325	078	067	7	15									
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta$ D DYN. M. $\times 10^3$	SOUND VELOCITY	D ₂ ml/l	PD ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S C				
		STD	0000	0943	3343	2584	0021660		0000	14863												
157		OBS	0000	0943	33430	2584				14863												
		STD	0010	0808	3336	2599	0020244		0021	14813												
		OBS	0010	0808	33355	2599				14813												
		STD	0020	0592	3306	2605	0019712		0041	14725												
000		OBS	0020	0592	33055	2605				14725												
		OBS	0025	0453	33120	2626				14670												
		STD	0030	0334	3315	2640	0016358		0059	14621												
		OBS	0030	0334	33150	2640				14621												
		OBS	0032	0253	33315	2660				14588												
		STD	0050	0185	3341	2673	0013216		0089	14562												
		OBS	0050	0185	33410	2673				14562												
		OBS	0061	0140	33445	2679				14545												
		STD	0075	0141	3386	2712	0009544		0117	14553												
		OBS	0075	0141	33855	2712				14553												
		OBS	0086	0140	33895	2715				14555												
		STD	0100	0197	3421	2736	0007263		0136	14567												
		OBS	0100	0197	34210	2736				14587												
		OBS	0120	0232	34255	2737				14606												
		STD	0125	0233	3426	2737	0007216		0156	14607												
		OBS	0125	0233	34255	2737				14607												
		STD	0150	0239	3429	2739	0007051		0174	14615												
		OBS	0150	0239	34285	2739				14615												
		OBS	0172	0261	34350	2742				14629												

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INCH	MARS DEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	WAVE OBSERVATIONS				WEATHER CODE	CLOUD CODES		NOOC STATION NUMBER	
CRUISE CODE	ID. NO.					10"	1"	MO	DAY		HR	1/10		CRUISE NO.	STATION NUMBER	DIR	HGT		PER	SEA		TYPE
318007	EV		4240 N	05020 W		150	20	11	11	163	1966	095	1372	13	15	1	3		X1	0	3	0109
				WATER		WIND		BARO-METER		AIR TEMP. °C		VIS. CODE	NO. OF DEPTHS	SPECIAL OBSERVATIONS								
				COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	DRY BULB	WET BULB	DRY BULB	WET BULB											
				DT	SD	15	504	322	128	106	7	27										
MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C					
163		STD	0000	1178	3305	2514	0028355	0000	14943													
		OBS	0000	1178	33050	2514			14943													
002		STD	0010	1154	3302	2516	0028178	0028	14935													
		OBS	0010	1154	33020	2516			14935													
		STD	0020	1012	3304	2542	0025673	0055	14886													
		OBS	0020	1012	33040	2542			14886													
		OBS	0025	0890	33120	2568			14843													
		STD	0030	0839	3334	2593	0020867	0078	14827													
		OBS	0030	0839	33335	2593			14827													
		STD	0050	0556	3366	2657	0014837	0114	14723													
		OBS	0050	0556	33655	2657			14723													
		OBS	0063	0414	33765	2681			14668													
		STD	0075	0530	3427	2708	0010003	0145	14725													
		OBS	0075	0530	34265	2708			14725													
		OBS	0087	0376	34085	2711			14660													
		STD	0100	0397	3450	2741	0006878	0166	14677													
		OBS	0100	0397	34495	2741			14677													
		OBS	0107	0358	34550	2749			14662													
		STD	0125	0430	3471	2755	0005628	0182	14698													
		OBS	0125	0430	34710	2755			14698													
		OBS	0130	0450	34755	2756			14708													
		STD	0150	0457	3475	2755	0005644	0196	14714													
	OBS	0150	0457	34750	2755			14714														
	OBS	0180	0466	34825	2760			14723														
	STD	0200	0436	3484	2764	0004796	0222	14714														
	OBS	0200	0436	34840	2764			14714														
	STD	0250	0434	3484	2764	0004826	0246	14722														
	STD	0300	0433	3484	2765	0004867	0270	14730														
	OBS	0300	0433	34840	2765			14730														
	STD	0400	0434	3485	2765	0004944	0319	14747														
	OBS	0400	0434	34845	2765			14747														
	STD	0500	0438	3488	2767	0004870	0369	14765														
	OBS	0500	0438	34875	2767			14765														
	STD	0600	0429	3488	2768	0004831	0417	14778														
	OBS	0600	0429	34880	2768			14778														
	STD	0700	0417	3492	2773	0004494	0464	14790														
	OBS	0700	0417	34920	2773			14790														
	STD	0800	0410	3491	2773	0004576	0509	14804														
	OBS	0800	0410	34911	2773			14804														
	STD	0900	0404	3491	2773	0004584	0555	14818														
	OBS	0900	0404	34913	2773			14818														
	STD	1000	0402	3492	2774	0004617	0601	14834														
	OBS	1000	0402	34918	2774			14834														
	STD	1100	0400	3492	2774	0004677	0647	14850														
	OBS	1100	0400	34919	2774			14850														
	STD	1200	0388	3494	2777	0004501	0693	14862														
	OBS	1200	0388	34935	2777			14862														
	STD	1300	0375	3494	2779	0004375	0738	14873														
	OBS	1300	0375	34942	2779			14873														

TABLE IV.—Continued

REFERENCE CTRY CODE	ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
						10"	1"	MO DAY HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT.
						10"	1"	MO DAY HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT.
318007	EV		4230 N	05020 W	150	20	11	11 179	1966	096		2176	15	15	2	3		X1	03		0110
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mbars)	DRY BULB	WET BULB									
						DT	SD	15	S03	322	133	106	7								29
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SIO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S IC				
		STO	0000	1199	3306	2511	0028654	0000	14950												
179		OBS	0000	1199	33060	2511			14950												
		STO	0010	1193	3306	2512	0028570	0029	14949												
		OBS	0010	1193	33060	2512			14949												
		STO	0020	1090	3307	2531	0026771	0056	14915												
002		OBS	0020	1090	33065	2531			14915												
		OBS	0025	1080	33195	2543			14914												
		STO	0030	0990	3321	2559	0024120	0082	14882												
		OBS	0030	0990	33205	2559			14882												
		STO	0050	0640	3336	2623	0018083	0124	14753												
		OBS	0050	0640	33355	2623			14753												
		STO	0075	0498	3399	2690	0011741	0161	14708												
		OBS	0075	0498	33985	2690			14708												
		OBS	0085	0484	34110	2701			14706												
		STO	0100	0539	3455	2729	0008005	0186	14737												
		OBS	0100	0539	34550	2729			14737												
		OBS	0119	0589	34660	2732			14761												
		STO	0125	0535	3455	2730	0007989	0206	14739												
		OBS	0125	0535	34550	2730			14739												
		OBS	0128	0536	34605	2734			14741												
		OBS	0130	0562	34600	2731			14752												
		OBS	0140	0445	34480	2735			14703												
		STO	0150	0479	3469	2747	0006372	0224	14722												
		OBS	0150	0479	34685	2747			14722												
		STO	0200	0446	3476	2756	0005540	0254	14717												
		OBS	0200	0446	34755	2756			14717												
		STO	0250	0456	3485	2763	0004993	0280	14731												
		STO	0300	0462	3492	2768	0004600	0304	14743												
		OBS	0300	0462	34919	2768			14743												
		STO	0400	0465	3497	2771	0004395	0349	14761												
		OBS	0400	0465	34966	2771			14761												
		STO	0500	0438	3496	2773	0004252	0392	14766												
		OBS	0500	0438	34958	2773			14766												
		STO	0600	0453	3501	2776	0004162	0434	14790												
		OBS	0600	0453	35008	2776			14790												
		STO	0700	0440	3501	2777	0004091	0475	14801												
		OBS	0700	0440	35011	2777			14801												
		STO	0800	0415	3499	2778	0004065	0516	14807												
		OBS	0800	0415	34988	2778			14807												
		STO	0900	0390	3497	2779	0004026	0557	14813												
		OBS	0900	0390	34966	2779			14813												
		STO	1000	0376	3495	2779	0004053	0597	14823												
		OBS	1000	0376	34952	2779			14823												
		STO	1100	0374	3495	2780	0004101	0638	14839												
		OBS	1100	0374	34954	2780			14839												
		STO	1200	0368	3496	2780	0004107	0679	14853												
		OBS	1200	0368	34955	2780			14853												
		STO	1300	0363	3496	2781	0004122	0720	14866												
		OBS	1300	0363	34956	2781			14866												
		STO	1400	0362	3496	2782	0004156	0761	14885												
		OBS	1400	0362	34961	2782			14885												
		STO	1500	0361	3496	2782	0004203	0803	14901												
		OBS	1500	0361	34964	2782			14901												

TABLE IV.—Continued

REFERENCE		SHIP	LATITUDE	LONGITUDE	DEPTH	MARSDEN		STATION TIME		YEAR	ORIGINATOR'S		DEPTH	MAX	WAVE			WEA-	CLOUD	NODC	
CTRY	ID.	CODE	° 1/10	° 1/10	INDIC	SQUARE	MO	DAY	HR 1/10		CRUISE	STATION	TO	DEPTH	DIR	HGT	PER	SEA	THER	TYPE	STATION
CODE	NO.										NO.	NUMBER	BOTTOM	OF					CODE	AMT	NUMBER
31	8007	EV	4150 N	05020 W		150	10	11	11	208	1966	097	2000	15	00	0			01	013	0111
		WATER		WIND		BARO-		AIR TEMP. °C		VIS.		NO.		SPECIAL							
		COLOR	TRANS.	DIR.	SPEED	METER	DRY	WET			OBS.		OBSERVATIONS								
		CODE	(m)		OR	(mb)	BULB	BULB			DEPTH										
		OT	SD	11	SUS	340	560	540	7	40											
MESSNGR	CASST	CARD	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME	Σ Δ D	SOUND	O ₂ ml/l	PO ₄ -P	TOTAL-P	NO ₂ -N	NO ₃ -N	SiO ₄ -Si	pH	S				
TIME	NO.	TYPE					ANOMALY-σ _t	CYN. M.	VELOCITY		μg - at/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l		C				
HR 1/10								x 10 ³													
		STD	0000	1206	3286	2493	0030290	0000	14950												
	208	OBS	0000	1206	32855	2493			14950												
		STD	0010	1190	3285	2496	0030101	0030	14946												
		OBS	0010	1190	32845	2496			14946												
	002	OBS	0015	1190	32850	2496			14947												
		STD	0020	1130	3286	2507	0029002	0060	14926												
		OBS	0020	1130	32855	2507			14926												
		OBS	0025	1070	32935	2524			14907												
		STD	0030	0920	3298	2552	0024737	0087	14853												
		OBS	0030	0920	32975	2552			14853												
		STD	0050	0584	3340	2633	0017109	0128	14731												
		OBS	0050	0584	33395	2633			14731												
		OBS	0055	0481	33400	2645			14690												
		OBS	0067	0558	34205	2700			14734												
		OBS	0072	0529	34155	2699			14723												
		STD	0075	0592	3446	2715	0009312	0161	14753												
		OBS	0075	0592	34455	2715			14753												
		OBS	0085	0804	34655	2717			14643												
		STD	0100	0731	3471	2717	0009247	0185	14815												
		OBS	0100	0731	34710	2717			14815												
		STD	0125	0635	3461	2722	0008798	0207	14780												
		OBS	0125	0635	34605	2722			14780												
		OBS	0131	0573	34550	2725			14755												
		OBS	0139	0601	34665	2731			14770												
		OBS	0148	0547	34600	2732			14748												
		STD	0150	0587	3471	2736	0007487	0228	14766												
		OBS	0150	0587	34705	2736			14766												
		OBS	0160	0659	34835	2737			14798												
		OBS	0172	0549	34700	2740			14754												
		STD	0200	0637	3493	2747	0006551	0263	14797												
		OBS	0200	0637	34925	2747			14747												
		OBS	0201	0655	35000	2750			14806												
		OBS	0210	0591	34900	2751			14780												
		OBS	0220	0671	35060	2753			14816												
		STD	0250	0599	3497	2755	0005831	0294	14791												
		OBS	0255	0598	34950	2754			14791												
		OBS	0270	0613	34975	2754			14800												
		STD	0300	0569	3496	2758	0005604	0322	14787												
		OBS	0300	0569	34955	2758			14787												
		STD	0400	0534	3496	2762	0005279	0377	14789												
		OBS	0400	0534	34958	2762			14789												
		STD	0500	0486	3495	2767	0004860	0427	14786												
		OBS	0500	0486	34952	2767			14786												
		OBS	0540	0509	35017	2770			14803												
		STD	0600	0478	3498	2771	0004655	0475	14800												
		OBS	0600	0478	34982	2771			14800												
		STD	0700	0457	3498	2773	0004503	0521	14808												
		OBS	0700	0457	34983	2773			14808												
		STD	0800	0454	3499	2774	0004515	0566	14823												
		OBS	0800	0454	34991	2774			14823												
		STD	0900	0433	3498	2776	0004434	0611	14831												
		OBS	0900	0433	34981	2776			14831												
		STD	1000	0422	3498	2776	0004442	0655	14843												
		OBS	1000	0422	34975	2776			14843												
		STD	1100	0411	3497	2777	0004475	0700	14855												
		OBS	1100	0411	34965	2777			14855												
		STD	1200	0392	3495	2777	0004463	0744	14863												
		OBS	1200	0392	34947	2777			14863												
		STD	1300	0388	3495	2778	0004487	0789	14879												
		OBS	1300	0388	34949	2778			14879												
		STD	1400	0381	3495	2779	0004485	0834	14892												
		OBS	1400	0381	34949	2779			14892												
		STD	1500	0376	3495	2779	0004507	0879	14907												
		OBS	1500	0376	34949	2779			14907												

TABLE IV.—Continued

REFERENCE	SHIP ID. NO.	LATITUDE 1/10	LONGITUDE 1/10	MARS DEN SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NDOC STATION NUMBER	
					MO DAY HR. 1/10					CRUISE NO.	STATION NUMBER			DIR	HGT	PER		SEA	TYPE		AMT
					10"	1"															
318007	EV	4120 N	05020 W	150 10	11	11	231	1966		098		3658	15	00	0		X1	0	3		0112
				WATER		WIND		BARO- METER (mb)		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
				COLOR CODE	TRANS (m)	DIR.	SPEED OR FORCE			DRY BULB	WET BULB										
				DT	SD	11	S05	340	133	122	7					42					
MESSAGE TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P µg - ml/l	TOTAL-P µg - ml/l	NO ₃ -N µg - ml/l	NO ₃ -N µg - ml/l	SiO ₄ -Si µg - ml/l	pH	S CODE				
		STD	0000	1196	3286	2495		0030112	0000	14946											
231		OBS	0000	1196	32855	2495				14946											
		STD	0010	1174	3283	2497	0029966	0030		14940											
		OBS	0010	1174	32825	2497				14940											
		STD	0020	1158	3285	2502	0029560	0060		14936											
002		OBS	0020	1158	32845	2502				14936											
		OBS	0025	1141	32825	2503				14931											
		STD	0030	1127	3283	2506	0029193	0089		14927											
		OBS	0030	1127	32825	2506				14927											
		OBS	0041	1084	32860	2516				14914											
		OBS	0042	1095	32885	2516				14918											
		STD	0050	0773	3322	2594	0020526	0139		14804											
		OBS	0050	0773	33220	2594				14804											
		OBS	0052	0733	33355	2610				14790											
		OBS	0057	0723	33355	2611				14787											
		OBS	0059	0600	33410	2632				14739											
		STD	0075	0504	3364	2661	0014430	0183		14706											
		OBS	0075	0504	33635	2661				14706											
		OBS	0086	0433	33805	2682				14680											
		STD	0100	0442	3407	2702	0010529	0214		14690											
		OBS	0100	0442	34070	2702				14690											
		OBS	0104	0458	34255	2715				14700											
		OBS	0107	0388	34310	2727				14672											
		OBS	0118	0421	34345	2727				14688											
		STD	0125	0380	3429	2726	0008309	0238		14671											
		OBS	0125	0380	34285	2726				14671											
		OBS	0127	0380	34470	2741				14674											
		OBS	0134	0434	34565	2743				14699											
		OBS	0146	0480	34670	2746				14722											
		STD	0150	0509	3472	2746	0006486	0257		14735											
		OBS	0150	0509	34715	2746				14735											
		OBS	0153	0520	34700	2744				14740											
		OBS	0160	0498	34575	2736				14730											
		OBS	0170	0531	34780	2749				14748											
		OBS	0178	0620	34970	2752				14788											
		STD	0200	0530	3486	2755	0005708	0287		14753											
		OBS	0200	0530	34860	2755				14753											
		OBS	0230	0519	34870	2757				14754											
		OBS	0246	0539	34875	2755				14765											
		STD	0250	0537	3488	2756	0005706	0316		14765											
		STD	0300	0510	3489	2759	0005409	0343		14762											
		OBS	0300	0510	34885	2759				14762											
		STD	0400	0475	3494	2768	0004698	0394		14765											
		OBS	0400	0475	34941	2768				14765											
		STD	0500	0453	3496	2772	0004440	0440		14773											
		OBS	0500	0453	34956	2772				14773											
		STD	0600	0452	3500	2775	0004224	0483		14789											
		OBS	0600	0452	34998	2775				14789											
		STD	0700	0446	3501	2777	0004141	0525		14804											
		OBS	0700	0446	35014	2777				14804											
		STD	0800	0426	3501	2778	0004063	0566		14812											
		OBS	0800	0426	35006	2778				14812											
		STD	0900	0408	3499	2779	0004041	0606		14821											
		OBS	0900	0408	34993	2779				14821											
		STD	1000	0402	3500	2780	0004026	0647		14835											
		OBS	1000	0402	34998	2780				14835											
		STD	1100	0381	3498	2781	0004017	0687		14842											
		OBS	1100	0381	34977	2781				14842											
		STD	1200	0385	3499	2782	0004030	0727		14861											
		OBS	1200	0385	34994	2782				14861											
		STD	1300	0381	3500	2782	0004061	0767		14876											
		OBS	1300	0381	34995	2782				14876											
		STD	1400	0381	3501	2783	0004075	0808		14893											
		OBS	1400	0381	35005	2783				14893											
		STD	1500	0378	3501	2784	0004115	0849		14909											
		OBS	1500	0378	35006	2784				14909											

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT MO/HR	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLE'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CITY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT
31	8007	EV	4120 N	05020 W		150	10	11	12	030	1966		099	3840	15	00	0			X0	03		0113
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTH'S	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mb)	DRY BULB	WET BULB											
						DT	SD	00	500	340	133	122	7					34					
MESSENGER TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta O$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g - at/l$	TOTAL-P $\mu g - at/l$	NO ₂ -N $\mu g - at/l$	NO ₃ -N $\mu g - at/l$	SiO ₄ -Si $\mu g - at/l$	pH	S CODE					
		STD	0000	1817	3505	2529	0026939		0000	15170													
	030	OBS	0000	1817	35050	2529				15170													
		STD	0010	1817	3505	2529	0026972		0027	15172													
		OBS	0010	1817	35050	2529				15172													
		STD	0020	1817	3505	2529	0027006		0054	15174													
	002	OBS	0020	1817	35050	2529				15174													
		OBS	0025	1816	35050	2528				15175													
		STD	0030	1818	3505	2528	0027099		0081	15176													
		OBS	0030	1818	35045	2528				15176													
		STD	0050	1869	3536	2539	0026134		0134	15197													
		OBS	0050	1869	35355	2539				15197													
		STD	0075	1523	3540	2625	0018041		0189	15098													
		OBS	0075	1523	35400	2625				15098													
		STD	0100	1495	3584	2664	0014351		0430	15099													
		OBS	0100	1495	35835	2664				15099													
		STD	0125	1341	3555	2675	0013399		0465	15050													
		OBS	0125	1341	35545	2675				15050													
		STD	0150	1263	3554	2690	0012027		0496	15027													
		OBS	0150	1263	35535	2690				15027													
		OBS	0188	1119	35285	2698				14981													
		STD	0200	1132	3540	2704	0010757		0353	14989													
		OBS	0200	1132	35395	2704				14989													
		OBS	0232	1040	35295	2713				14960													
		STD	0250	1022	3528	2715	0009770		0405	14956													
		OBS	0281	0991	35265	2719				14950													
		STD	0300	0906	3518	2726	0008770		0451	14921													
		OBS	0300	0906	35175	2726				14921													
		OBS	0345	0839	35150	2735				14903													
		OBS	0377	0690	34955	2742				14848													
		STD	0400	0698	3505	2748	0006757		0529	14856													
		OBS	0400	0698	35050	2748				14856													
		OBS	0460	0628	35020	2755				14838													
		OBS	0479	0537	34854	2754				14802													
		STD	0500	0526	3495	2762	0005401		0589	14802													
		OBS	0500	0526	34945	2762				14802													
		OBS	0550	0468	34880	2764				14786													
		OBS	0560	0494	34908	2763				14799													
		OBS	0565	0468	34927	2768				14789													
		STD	0600	0458	3493	2769	0004815		0641	14791													
		OBS	0600	0458	34928	2769				14791													
		STD	0700	0420	3492	2772	0004537		0687	14791													
		OBS	0700	0420	34919	2772				14791													
		STD	0800	0421	3496	2776	0004321		0732	14809													
		OBS	0800	0421	34963	2776				14809													
		STD	0900	0423	3498	2777	0004304		0775	14827													
		OBS	0900	0423	34982	2777				14827													
		STD	1000	0401	3497	2778	0004206		0817	14834													
		OBS	1000	0401	34972	2778				14834													
		STD	1100	0397	3498	2779	0004220		0859	14849													
		OBS	1100	0397	34976	2779				14849													
		STD	1200	0398	3499	2780	0004222		0902	14866													
		OBS	1200	0398	34990	2780				14866													
		STD	1300	0390	3499	2781	0004211		0944	14880													
		OBS	1300	0390	34990	2781				14880													
		STD	1400	0388	3500	2782	0004223		0986	14896													
		OBS	1400	0388	34997	2782				14896													
		STD	1500	0380	3500	2783	0004193		1028	14909													
		OBS	1500	0380	34999	2783				14909													

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE °	LONGITUDE °	MARDEN SQUARE	STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLER	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CRUISE CODE	IO. NO.					1/10	1/10		10"	1"			MO	DAY	HR:1/10		CRUISE NO.	STATION NUMBER	
318007	EV		4050 N	05020 W	150	00	11 12 060	1966		100	4407	15	12	2	4		X1	0 3	0114

TABLE IV.—Continued

REFERENCE	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INCH	MARSOEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER		
					10'	1'	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT	
318007	EV	4029 N	05020 W		150	20	11	12	045	1966		101	4023	15	13	2	2		X1	0 3		0115	
					WATER		WIND		AIR TEMP. °C														
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mb)		DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
					DT	SD	15	SL	340	183	139	7	33										
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-20°	$\Sigma \Delta \sigma_t$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P µg - at/l	TOTAL-P µg - at/l	NO ₂ -N µg - at/l	NO ₃ -N µg - at/l	SiO ₄ -Si µg - at/l	pH	SIC						
		STD	0000	1937	3546	2529	0026890	0000	15209														
095		OBS	0000	1937	35455	2529			15209														
		STD	0010	1939	3546	2529	0026975	0027	15211														
		OBS	0010	1939	35455	2529			15211														
		STD	0020	1939	3546	2529	0027010	0054	15213														
102		OBS	0020	1939	35455	2529			15213														
		OBS	0025	1939	35450	2528			15214														
		STD	0030	1939	3545	2528	0027082	0081	15215														
		OBS	0030	1939	35450	2528			15215														
		STD	0050	1939	3545	2528	0027152	0135	15218														
		OBS	0050	1939	35450	2528			15218														
		OBS	0061	1944	35450	2527			15221														
		STD	0075	1820	3571	2578	0022508	0197	15191														
		OBS	0075	1820	35705	2578			15191														
		STD	0100	1532	3567	2643	0016340	0246	15109														
		OBS	0100	1532	35670	2643			15109														
		OBS	0114	1474	35735	2661			15094														
		STD	0125	1530	3595	2665	0014334	0284	15115														
		OBS	0125	1530	35950	2665			15115														
		OBS	0140	1557	36105	2671			15128														
		STD	0150	1539	3606	2672	0013804	0319	15124														
		OBS	0150	1539	36060	2672			15124														
		OBS	0166	1390	35710	2677			15074														
		OBS	0179	1436	35905	2683			15094														
		STD	0200	1410	3587	2686	0012626	0385	15089														
		OBS	0200	1410	35870	2686			15089														
		STD	0250	1236	3556	2697	0011594	0446	15035														
		STD	0300	1146	3545	2706	0010852	0502	15011														
		OBS	0300	1146	35450	2706			15011														
		OBS	0325	1133	35467	2710			15011														
		STD	0400	0891	3513	2725	0009084	0602	14931														
		OBS	0400	0891	35127	2725			14931														
		OBS	0484	0699	34973	2742			14869														
		OBS	0494	0719	35039	2744			14880														
		STD	0500	0699	3500	2744	0007286	0684	14872														
		OBS	0500	0699	35002	2744			14872														
		STD	0600	0549	3497	2761	0005640	0748	14829														
		OBS	0600	0549	34969	2761			14829														
		OBS	0689	0499	34974	2768			14823														
		STD	0700	0559	3512	2772	0004790	0800	14851														
		OBS	0700	0559	35119	2772			14851														
		STD	0800	0541	3513	2775	0004585	0847	14861														
		OBS	0800	0541	35132	2775			14861														
		STD	0900	0475	3505	2776	0004465	0893	14849														
		OBS	0900	0475	35048	2776			14849														
		STD	1000	0441	3504	2779	0004237	0936	14852														
		OBS	1000	0441	35035	2779			14852														
		STD	1100	0426	3504	2781	0004126	0978	14862														
		OBS	1100	0426	35038	2781			14862														
		STD	1200	0409	3503	2782	0004103	1019	14872														
		OBS	1200	0409	35025	2782			14872														
		STD	1300	0399	3501	2782	0004194	1060	14884														
		OBS	1300	0399	35008	2782			14884														
		STD	1400	0391	3501	2782	0004174	1102	14897														
		OBS	1400	0391	35009	2782			14897														
		STD	1500	0380	3501	2783	0004134	1144	14910														
		OBS	1500	0380	35007	2783			14910														

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	IO. NO.					MO	DAY	HR.1/10	CRUISE NO.		STATION NUMBER	DIR.			HGT	PER	SEA	TYPE		AMT		
318007	EV	3950 N	05020 W	114 90	11 12 128	1966			102			5486	15	13	2	4		X0	0 3		0116	
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS										
		COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	DRY BULB	WET BULB															
		DT	SD	15	S13	328	189	150	7	44												
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- $\times 10^3$	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{dl/l}$	TOTAL-P $\mu\text{g} - \text{dl/l}$	NO ₃ -N $\mu\text{g} - \text{dl/l}$	NO ₂ -N $\mu\text{g} - \text{dl/l}$	SiO ₄ -Si $\mu\text{g} - \text{dl/l}$	pH	STATION NUMBER					
		STD	0000	1752	3421	2481	0031515	0000	15141													
	128	OBS	0000	1752	34213	2481			15141													
		STD	0010	1749	3421	2481	0031478	0031	15142													
		OBS	0010	1749	34213	2481			15142													
002		OBS	0018	1750	34220	2482			15144													
		STD	0020	1778	3449	2495	0030185	0062	15156													
		OBS	0020	1778	34487	2495			15156													
		OBS	0025	1808	34560	2493			15166													
		STD	0030	1825	3482	2509	0028899	0092	15175													
		OBS	0030	1825	34820	2509			15175													
		OBS	0044	1848	35020	2519			15186													
		STD	0050	1751	3486	2530	0026446	0148	15157													
		OBS	0050	1751	34860	2530			15157													
		STD	0075	1396	3526	2641	0016475	0202	15056													
		OBS	0075	1396	35255	2641			15056													
		OBS	0084	1442	35710	2666			15078													
		STD	0100	1360	3546	2664	0014363	0241	15051													
		OBS	0100	1360	35455	2664			15051													
		STD	0125	1269	3545	2682	0012733	0274	15024													
		OBS	0125	1269	35445	2682			15024													
		STD	0150	1220	3543	2690	0012021	0305	15011													
		OBS	0150	1220	35425	2690			15011													
		OBS	0173	1150	35255	2690			14989													
		OBS	0189	1181	35455	2700			15005													
		STD	0200	1165	3546	2703	0010914	0363	15001													
		OBS	0200	1165	35455	2703			15001													
		STD	0250	1055	3532	2712	0010070	0415	14969													
		STD	0300	0940	3521	2723	0004096	0463	14934													
		OBS	0300	0940	35205	2723			14934													
		STD	0400	0696	3505	2748	0006729	0542	14855													
		OBS	0400	0696	35050	2748			14855													
		OBS	0440	0597	34920	2751			14821													
		OBS	0478	0612	35020	2757			14834													
		OBS	0490	0565	34973	2759			14817													
		STD	0500	0616	3496	2752	0006451	0608	14839													
		OBS	0500	0616	3515P	2767P																
		OBS	0511	0545	34950	2760			14812													
		OBS	0530	0540	34945	2761			14813													
		OBS	0539	0612	3525P	2776P																
		OBS	0556	0540	35000	2765			14818													
		OBS	0561	0580	3514P	2771P																
		OBS	0578	0539	34995	2765			14821													
		STD	0600	0539	3507	2770	0004801	0664	14826													
		OBS	0600	0539	35065	2770			14826													
		OBS	0610	0566	35145	2773			14840													
		STD	0700	0539	3512	2774	0004550	0711	14843													
		OBS	0700	0539	35116	2774			14843													
		OBS	0730	0502	35067	2775			14832													
		OBS	0746	0528	35145	2778			14847													
		STD	0800	0507	3511	2777	0004332	0756	14846													
		OBS	0800	0507	35106	2777			14846													
		OBS	0838	0495	3510P	2778P																
		OBS	0856	0446	35005	2776			14830													
		OBS	0876	0472	35068	2778			14844													
		STD	0900	0440	3502	2778	0004225	0798	14834													
		OBS	0900	0440	35021	2778			14834													
		STD	1000	0420	3501	2780	0004137	0840	14843													
		OBS	1000	0420	35013	2780			14843													
		STD	1100	0399	3500	2781	0004068	0881	14850													
		OBS	1100	0399	35000	2781			14850													
		STD	1200	0342	3500	2782	0004073	0922	14864													
		OBS	1200	0342	35000	2782			14864													
		STD	1300	0382	3500	2782	0004059	0962	14877													
		OBS	1300	0382	34997	2782			14877													
		STD	1400	0373	3499	2783	0004082	1003	14890													
		OBS	1400	0373	34990	2783			14890													
		STD	1500	0373	3500	2784	0004072	1044	14907													
		OBS	1500	0373	35003	2784			14907													

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DIR. INDIC.	MARSOEN SQUARE		STATION TIME IGMT			YEAR	ORIGINATOR'S		DEPTH BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER
CTRY CODE	IO. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
31	8007	EV	3420 N	05020 W		114	90	11	12	175	1966		103	5440	15	13	8	4		X1	0	3	0117
						WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB		WET BULB		VIS. CODE									
						DT	SD	11	S30	310	211	172	8	33									
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME AND MALT-X10 ³		Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	SiO ₄ -Si μg - dl/l	pH	S C				
		STD	0000	2218	3624	2512		0028489		0000	15293												
175		OBS	0000	2218	36235	2512					15293												
		STD	0010	2218	3624	2512		0028528		0029	15295												
		OBS	0010	2218	36235	2512					15295												
		STD	0020	2218	3624	2512		0028566		0057	15296												
002		OBS	0020	2218	36235	2512					15296												
		OBS	0025	2217	36235	2513					15297												
		STD	0030	2217	3624	2513		0028578		0086	15298												
		OBS	0030	2217	36235	2513					15298												
		STD	0050	2218	3626	2514		0028538		0143	15302												
		OBS	0050	2218	36255	2514					15302												
		OBS	0062	2217	36260	2515					15303												
		OBS	0066	2153	36055	2522					15280												
		OBS	0070	2194	36605	2547					15303												
		STD	0075	2170	3655	2550		0025220		0210	15297												
		OBS	0075	2170	36550	2550					15297												
		STD	0100	1987	3657	2601		0020423		0207	15253												
		OBS	0100	1987	36570	2601					15253												
		STD	0125	1889	3661	2630		0017789		0315	15230												
		OBS	0125	1889	36610	2630					15230												
		STD	0150	1826	3654	2640		0016894		0358	15215												
		OBS	0150	1826	36535	2640					15215												
		OBS	0170	1770	36440	2647					15201												
		STD	0200	1778	3655	2653		0015852		0440	15210												
		OBS	0200	1778	36545	2653					15210												
		STD	0250	1725	3647	2660		0015322		0518	15202												
		STD	0300	1625	3630	2671		0014415		0592	15178												
		OBS	0300	1625	36302	2671					15178												
		STD	0400	1286	3569	2697		0012038		0725	15078												
		OBS	0400	1286	35686	2697					15078												
		STD	0500	0979	3525	2720		0009858		0834	14981												
		OBS	0500	0979	35247	2720					14981												
		OBS	0588	0623	34835	2741					14855												
		STD	0600	0664	3498	2747		0007138		0919	14875												
		OBS	0600	0664	34976	2747					14875												
		OBS	0639	0626	34952	2750					14866												
		OBS	0650	0699	35205	2760					14900												
		STD	0700	0661	3515	2761		0005934		0984	14892												
		OBS	0700	0661	35154	2761					14892												
		STD	0800	0609	3515	2768		0005355		1041	14888												
		OBS	0800	0609	35153	2768					14888												
		OBS	0866	0530	35071	2772					14866												
		OBS	0884	0558	35142	2774					14882												
		STD	0900	0540	3511	2774		0004845		1092	14877												
		OBS	0900	0540	35112	2774					14877												
		STD	1000	0496	3510	2778		0004475		1138	14875												
		OBS	1000	0496	35099	2778					14875												
		STD	1100	0439	3502	2778		0004402		1183	14867												
		OBS	1100	0439	35023	2778					14867												
		STD	1200	0414	3501	2780		0004314		1226	14873												
		OBS	1200	0414	35005	2780					14873												
		STD	1300	0390	3499	2781		0004233		1269	14880												
		OBS	1300	0390	34987	2781					14880												
		STD	1400	0383	3499	2782		0004232		1311	14894												
		OBS	1400	0383	34987	2782					14894												
		STD	1500	0377	3499	2782		0004241		1354	14908												
		OBS	1500	0377	34987	2782					14908												

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INCHES	MARSOEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER		
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT			
31	8007					EV	3850 N	05020 W	114	80		11	12			208	1966	104	5465		15	13		3	2
		WATER		WIND		AIR TEMP. °C		BARO- METER (mba)		VIS CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS											
COLOR CODE		TRANS. (m)		DIR.		SPEED OR FORCE				DRY BULB		WET BULB													
DT		SD		10		528		315		211		178		7		29									
MESSENGER TIME HR 1/10	CAS- T NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ σ OYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₃ -N μg - dl/l	NO ₂ -N μg - dl/l	SiO ₄ -S μg - dl/l	pH	S CODE								
		STD	0000	2232	3635	2517	0028058	0000	15298																
	208	OBS	0000	2232	36347	2517			15298																
		STD	0010	2232	3635	2517	0028097	0028	15300																
		OBS	0010	2232	36347	2517			15300																
		STD	0020	2232	3635	2517	0028136	0056	15301																
	002	OBS	0020	2232	36347	2517			15301																
		OBS	0025	2232	36347	2517			15302																
		STD	0030	2232	3635	2517	0028175	0084	15303																
		OBS	0030	2232	36347	2517			15303																
		STD	0050	2232	3635	2517	0028253	0141	15306																
		OBS	0050	2232	36347	2517			15306																
		STD	0075	2232	3636	2518	0028256	0211	15311																
		OBS	0075	2232	36360	2518			15311																
		STD	0100	2161	3672	2565	0023865	0477	15301																
		OBS	0100	2161	36718	2565			15301																
		STD	0125	2031	3669	2598	0020789	0332	15270																
		OBS	0125	2031	36687	2598			15270																
		STD	0150	1945	3664	2617	0019047	0382	15250																
		OBS	0150	1945	36640	2617			15250																
		STD	0200	1839	3657	2640	0017115	0473	15228																
		OBS	0200	1839	36572	2640			15228																
		STD	0250	1812	3657	2646	0016654	0557	15228																
		STD	0300	1785	3655	2651	0016340	0639	15228																
		OBS	0300	1785	36548	2651			15228																
		STD	0400	1735	3647	2658	0016051	0801	15229																
		OBS	0400	1735	36471	2658			15229																
		STD	0500	1651	3632	2666	0015547	0959	15219																
		OBS	0500	1651	36316	2666			15219																
		STD	0600	1376	3583	2689	0013392	1104	15143																
		OBS	0600	1376	35825	2689			15143																
		STD	0700	1088	3541	2713	0011056	1426	15056																
		OBS	0700	1088	35407	2713			15056																
		STD	0800	0847	3514	2733	0009081	1327	14980																
		OBS	0800	0847	35135	2733			14980																
		OBS	0810	0813	35109	2736			14969																
		OBS	0816	0827	35127	2735			14975																
		OBS	0837	0723	35047	2744			14938																
		STD	0900	0641	3501	2753	0006987	1407	14916																
		OBS	0900	0641	35012	2753			14916																
		OBS	0940	0556	34961	2760			14888																
		OBS	0975	0568	35029	2764			14899																
		STD	1000	0538	3501	2766	0005722	1471	14891																
		OBS	1000	0538	35006	2766			14891																
		STD	1100	0451	3496	2772	0005020	1525	14871																
		OBS	1100	0451	34960	2772			14871																
		STD	1200	0463	3501	2775	0004899	1574	14894																
		OBS	1200	0463	35012	2775			14894																
		STD	1300	0445	3501	2776	0004808	1623	14903																
		OBS	1300	0445	35006	2776			14903																
		STD	1400	0421	3499	2778	0004676	1670	14910																
		OBS	1400	0421	34994	2778			14910																
		STD	1500	0412	3500	2779	0004629	1717	14923																
		OBS	1500	0412	34997	2779			14923																

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH METERS	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT
31	8007	EV	3820 N	05020 W		114	80	11	13	004	1966		105	5490	15	13	5	2		X2	013		0119
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB											
						DT	SD	10	S32		295	211				178	7	32					
MESSNGR TIME HR. 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S C				
004		STD	0000	2240	3633	2514		0028383		0000	15300												
		OBS	0000	2240	36332	2514					15300												
		STD	0010	2240	3633	2514		0028422		0028	15302												
		OBS	0010	2240	36332	2514					15302												
		STD	0020	2240	3633	2514		0028461		0057	15303												
		OBS	0020	2240	36332	2514					15303												
		OBS	0025	2242	36332	2513					15305												
		STD	0030	2242	3633	2513		0028554		0085	15305												
		OBS	0030	2242	36332	2513					15305												
		STD	0050	2244	3633	2512		0028686		0143	15309												
		OBS	0050	2244	36332	2512					15309												
		STD	0075	2244	3633	2512		0028784		0214	15313												
		OBS	0075	2244	36332	2512					15313												
		STD	0100	2241	3633	2513		0028799		0286	15317												
		OBS	0100	2241	36332	2513					15317												
		STD	0125	2185	3662	2551		0025330		0354	15310												
		OBS	0125	2185	36617	2551					15310												
		STD	0150	2009	3667	2603		0020472		0411	15268												
		OBS	0150	2009	36666	2603					15268												
		STD	0200	1860	3659	2635		0017508		0506	15234												
		OBS	0200	1860	36588	2635					15234												
		STD	0250	1829	3658	2643		0016990		0593	15233												
		STD	0300	1800	3657	2649		0016554		0676	15233												
		OBS	0300	1800	36568	2649					15233												
		STD	0400	1747	3649	2656		0016168		0840	15233												
		OBS	0400	1747	36494	2656					15233												
		STD	0500	1700	3642	2662		0015916		1000	15235												
		OBS	0500	1700	36422	2662					15235												
		STD	0600	1548	3611	2673		0015051		1155	15201												
		OBS	0600	1548	36106	2673					15201												
		STD	0700	1342	3576	2691		0013457		1498	15147												
		OBS	0700	1342	35757	2691					15147												
		STD	0800	1074	3539	2714		0011180		1421	15067												
		OBS	0800	1074	35386	2714					15067												
		STD	0900	0839	3513	2733		0009193		1523	14994												
	OBS	0900	0839	35127	2733					14994													
	STD	1000	0578	3493	2754		0006868		1603	14906													
	OBS	1000	0578	34925	2754					14906													
	OBS	1088	0470	34832	2760					14875													
	STD	1100	0493	3491	2763		0005968		1667	14888													
	OBS	1100	0493	34906	2763					14888													
	OBS	1160	0454	34899	2767					14882													
	OBS	1172	0470	34947	2769					14891													
	STD	1200	0452	3493	2769		0005393		1724	14888													
	OBS	1200	0452	34925	2769					14888													
	OBS	1211	0440	34900	2769					14884													
	OBS	1242	0470	34983	2772					14903													
	OBS	1251	0434	34906	2770					14889													
	STD	1300	0413	3500	2779		0004462		1773	14889													
	OBS	1300	0413	34996	2779					14889													
	OBS	1325	0411	34994	2779					14893													
	OBS	1389	0467P	35016	2775P																		
	STD	1400		3500																			
	OBS	1400	0449P	34996	2775P																		
	OBS	1490	0436P	34990	2776P																		

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE	LONGITUDE	NODC STATION NUMBER	MARSDEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S			WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES	NODC STATION NUMBER	
CTRY CODE	ID. NO.		1/10	1/10		10'	1"	MO	DAY	HR.1/10	CRUISE NO.	STATION NUMBER		DIR.	MGT	PER	SEA		TYPE	AMT			
318007	EV		3750 N	05020 W		114 70	11	13	039	1966		106	5486	14	12	5	3		X6	0 3		0120	
					WATER		WIND		BARO- METER		AIR TEMP. °C		VIS		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS						
					COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	DRY BULB		WET BULB												
					DT	SD	12	545	290		206		183		6 26								
MESSAGE TIME OF HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY-×10 ³		Σ Δ D DYN. M. × 10 ³		SOUND VELOCITY		O ₂ ml/l	PO ₄ -P μg · at/l	TOTAL-P μg · at/l	NO ₂ -N μg · at/l	NO ₃ -N μg · at/l	SiO ₄ -Si μg · at/l	pH	°C		
039	STD	0000	2215	3633	2520	0027744		0000		15293													
	OBS	0000	2215	36327	2520	0027756		0028		15293													
002	STD	0010	2214	3633	2520	0027795		0056		15295													
	OBS	0010	2214	36327	2520					15295													
	STD	0020	2214	3633	2520					15297													
	OBS	0020	2214	36327	2520					15297													
	OBS	0025	2208	36327	2522					15296													
	STD	0030	2202	3633	2524	0027525		0083		15295													
	OBS	0030	2202	36325	2524					15295													
	OBS	0040	2128	36253	2539					15277													
	STD	0050	2121	3631	2545	0025584		0136		15277													
	OBS	0050	2121	36307	2545					15277													
	STD	0075	2117	3635	2549	0025249		0200		15281													
	OBS	0075	2117	36352	2549					15281													
	STD	0100	2105	3639	2556	0024726		0262		15282													
	OBS	0100	2105	36394	2556					15282													
	OBS	0108	2096	36416	2560					15281													
	STD	0125	1949	3655	2609	0019728		0318		15246													
	OBS	0125	1949	36547	2609					15246													
	OBS	0131	1877	36565	2629					15227													
	STD	0150	1848	3655	2635	0017337		0364		15222													
	OBS	0150	1848	36547	2635					15222													
STD	0200	1794	3657	2650	0016080		0448		15215														
OBS	0200	1794	36566	2650					15215														
STD	0250	1782	3656	2653	0016010		0528		15219														
STD	0300	1765	3654	2655	0015937		0608		15222														
OBS	0300	1765	36538	2655					15222														
STD	0400	1717	3646	2661	0015738		0766		15224														
OBS	0400	1717	36456	2661					15224														
STD	0500	1668	3638	2667	0015461		0922		15225														
OBS	0500	1668	36382	2667					15225														
STD	0600	1523	3609	2678	0014600		1073		15193														
OBS	0600	1523	36092	2678					15193														
STD	0700	1354	3574	2691	0013466		1213		15151														
OBS	0700	1354	35790	2691					15151														
STD	0800	1143	3549	2709	0011726		1339		15093														
OBS	0800	1143	35486	2709					15093														
STD	0900	0902	3517	2727	0009942		1447		15018														
OBS	0900	0902	35168	2727					15018														
STD	1000	0701	3504	2747	0007842		1536		14956														
OBS	1000	0701	35037	2747					14956														
STD	1100	0597	3503	2760	0006499		1608		14932														
OBS	1100	0597	35030	2760					14932														
STD	1200	0480	3496	2768	0005544		1668		14900														
OBS	1200	0480	34955	2768					14900														
STD	1300	0431	3495	2773	0005034		1721		14896														
OBS	1300	0431	34950	2773					14896														
OBS	1370	0444	35014	2777					14914														

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° ' 1/10	LONGITUDE ° ' 1/10	OBS. NO.	MARSDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLING	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10°	1°	MO	DAY		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TIME	
31	8007	EV	3719 N	05020 W		114	70	11	13	077	1966	107	5466	15	12	8	2	X2	013		0121
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. mm	DIR.	SPEED OR FORCE	DRY BULB	WET BULB										
						DT	SD	11	540	264	206	172	8	26							
MESSENGER TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	D ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S C				
077	STD	0000	2049	3633	2567	0023342	0000	15250													
	OBS	0000	2049	36333	2567			15250													
	STD	0010	2049	3633	2567	0023380	0023	15252													
	OBS	0010	2049	36333	2567			15252													
	STD	0020	2049	3633	2567	0023417	0047	15253													
	OBS	0020	2049	36333	2567			15253													
	OBS	0025	2049	36333	2567			15254													
	STD	0030	2050	3633	2566	0023480	0070	15255													
	OBS	0030	2050	36333	2566			15255													
	STD	0050	2050	3633	2566	0023562	0117	15259													
	OBS	0050	2050	36332	2566			15259													
	STD	0075	2051	3633	2566	0023709	0176	15263													
	OBS	0075	2051	36328	2566			15263													
	OBS	0090	2051	36330	2566			15265													
	STD	0100	1970	3657	2605	0020017	0431	15248													
	OBS	0100	1970	36567	2605			15248													
	STD	0125	1892	3659	2627	0018029	0279	15231													
	OBS	0125	1892	36587	2627			15231													
	STD	0150	1840	3657	2639	0016963	0322	15220													
	OBS	0150	1840	36572	2639			15220													
	STD	0200	1789	3655	2650	0016098	0405	15213													
	OBS	0200	1789	36547	2650			15213													
	STD	0250	1770	3653	2653	0015943	0485	15216													
	STD	0300	1749	3650	2656	0015820	0564	15217													
	OBS	0300	1749	36502	2656			15217													
	STD	0400	1701	3643	2662	0015581	0721	15219													
	OBS	0400	1701	36426	2662			15219													
	STD	0500	1610	3625	2670	0015119	0875	15205													
	OBS	0500	1610	36246	2670			15205													
	STD	0600	1485	3603	2682	0014197	1022	15180													
	OBS	0600	1485	36033	2682			15180													
	STD	0700	1404	3595	2693	0013367	1159	15170													
	OBS	0700	1404	35948	2693			15170													
	STD	0800	1296	3575	2700	0012834	1290	15148													
	OBS	0800	1296	35750	2700			15148													
	STD	0900	1040	3534	2717	0011085	1410	15071													
	OBS	0900	1040	35344	2717			15071													
	STD	1000	0826	3514	2736	0009094	1511	15006													
	OBS	1003	0826	35136	2736			15006													
	OBS	1030	0720	35029	2743			14969													
	STD	1100	0633	3504	2756	0006979	1591	14946													
	OBS	1100	0633	35036	2756			14946													
	STD	1200	0489	3492	2764	0005944	1656	14903													
	OBS	1200	0489	34917	2764			14903													
	STD	1300	0459	3494	2770	0005449	1713	14908													
	OBS	1300	0459	34944	2770			14908													
	STD	1400	0453	3500	2775	0005098	1766	14923													
	OBS	1400	0453	34995	2775			14923													
	STD	1500	0447	3502	2777	0004956	1816	14937													
	OBS	1500	0447	35017	2777			14937													

TABLE V. Observed and interpolated oceanographic data taken by USCGC ROCKAWAY on North Atlantic Standard Monitoring Section 6, 19-22 November 1966; prepared from NODC listing No. 31-1061.

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS DEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER		
CTRY CODE	ID. NO.					10"	1"	MO		DAY	HR.1/10			CRUISE NO.	STATION NUMBER	DIR	HGT		PER	SEA		TYPE	AMT
311	061	RC	3201 N	06521 W	115	25	11	19	179	1966	A62	001	4206	41	10	3	4		X1	8	2	0001	
					WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
					COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	(mba)		DRY BULB	WET BULB											
								12	S05	207	222	183	7	19									
MESSAGE TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY-10 ²		Σ Δ D DYN. M. X 10 ³		SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₂ -N μg - at/l	Si O ₄ -Si μg - at/l	pH				
		STD	0000	2340	3658	2504		0029322		0000		15328											
179	OBS	0000	2340	36583	2504							15328											
	STD	0010	2339	3663	2507		0028998		0029		15330												
179	OBS	0011	2339	36635	2508							15330											
	STD	0020	2339	3664	2508		0028974		0058		15331												
	STD	0030	2338	3664	2508		0028985		0087		15333												
179	OBS	0032	2338	36639	2508							15333											
	STD	0050	2333	3663	2509		0028991		0145		15335												
179	OBS	0054	2332	36624	2509							15335											
	STD	0075	2054	3663	2589		0021604		0208		15267												
179	OBS	0081	2000	36631	2602							15254											
	STD	0100	1919	3659	2620		0018582		0259		15234												
179	OBS	0107	1896	36584	2626							15229											
	STD	0125	1868	3657	2632		0017567		0304		15224												
	STD	0150	1839	3655	2638		0017098		0347		15219												
179	OBS	T0162	1828	36549	2641							15218											
	STD	0200	1812	3654	2644		0016683		0432		15220												
187	OBS	0209	1808	36540	2645							15220											
	STD	0250	1789	3652	2648		0016466		0514		15221												
	STD	0300	1766	3648	2651		0016381		0597		15222												
187	OBS	0313	1760	36471	2651							15222											
	STD	0400	1721	3640	2655		0016236		0760		15224												
187	OBS	T0418	1709	36381	2657							15223											
	STD	0500	1621	3621	2665		0015628		0919		15208												
	STD	0600	1504	3600	2675		0014849		1071		15186												
187	OBS	0629	1468	35942	2679							15178											
	STD	0700	1402	3580	2682		0014396		1218		15167												
	STD	0800	1257	3560	2696		0013134		1355		15133												
187	OBS	T0841	1180	35514	2704							15112											
	STD	0900	0996	3537	2727		0010104		1471		15055												
	STD	1000	0733	3516	2752		0007434		1559		14970												
187	OBS	1056	0613	35072	2761							14931											
	STD	1100	0595	3507	2764		0006177		1627		14931												
	STD	1200	0557	3507	2768		0005764		1687		14933												
	STD	1300	0523	3506	2772		0005478		1743		14935												
	STD	1400	0492	3505	2775		0005232		1797		14939												
	STD	1500	0464	3504	2777		0005023		1848		14945												
187	OBS	T1588	0443	35036	2779							14951											
	STD	1750	0417	3501	2780		0004834		1971		14967												
	STD	2000	0381	3498	2781		0004769		2091		14994												
195	OBS	T2049	0375	34979	2782							15000											
	STD	2500	0330	3497	2785		0004495		2323		15057												
195	OBS	T2572	0323	34964	2786							15067											
	STD	3000	0281	3493	2787		0004375		2544		15122												
195	OBS	3067	0275	34927	2787							15131											
195	OBS	T3559	0234	34896	2788							15199											
	STD	4000	0222	3489	2789		0004225		2974		15271												
195	OBS	T4074	0222	34888	2789							15284											

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	MARS SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT
311	061	RC	3158 N	06619 W	115	16	11	20	003	1966	A62	002	4663	15	10	3	4	X0	0	0002	
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS						
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE			DRY BULB	WET BULB												
								00	500	208	214	174	7	14							
MESSAGE TIME OF HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	Si O ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C C				
		STD	0000	2278	3646	2513	0028473	0000	15311												
003		OBS	0000	2278	36463	2513			15311												
		STD	0010	2279	3649	2514	0028340	0028	15313												
003		OBS	0012	2279	36498	2515			15314												
		STD	0020	2278	3652	2517	0028149	0057	15315												
		STD	0030	2277	3655	2519	0027948	0085	15317												
003		OBS	0034	2277	36553	2520			15317												
		STD	0050	2277	3657	2521	0027871	0141	15320												
003		OBS	0056	2277	36576	2521			15321												
		STD	0075	2188	3664	2552	0025051	0207	15303												
003		OBS	0084	2139	36651	2566			15291												
		STD	0100	2027	3664	2596	0020933	0264	15264												
003		OBS	0111	1966	36629	2611			15249												
		STD	0125	1931	3661	2619	0018824	0314	15242												
		STD	0150	1880	3659	2630	0017803	0360	15231												
003		OBS	T0166	1855	36577	2636			15227												
		STD	0200	1830	3655	2640	0017057	0447	15225												
003		OBS	0219	1819	36544	2642			15225												
		STD	0250	1811	3654	2644	0016847	0532	15227												
		STD	0300	1794	3652	2647	0016757	0616	15231												
003		OBS	0325	1784	36509	2648			15232												
		STD	0400	1750	3645	2652	0016557	0782	15233												
003		OBS	T0432	1730	36419	2655			15232												
		STD	0500	1691	3632	2657	0016442	0947	15231												
		STD	0600	1586	3613	2667	0015728	1108	15213												
003		OBS	0644	1522	36022	2673			15199												
		STD	0700	1397	3580	2683	0014290	1258	15166												
		STD	0800	1180	3546	2700	0012638	1393	15105												
003		OBS	T0856	1062	35321	2711			15071												
		STD	0900	0958	3525	2724	0010307	1507	15040												
		STD	1000	0754	3511	2745	0008128	1600	14978												
003		OBS	1063	0649	35048	2755			14946												
		STD	1100	0632	3504	2757	0006900	1675	14946												
		STD	1200	0584	3503	2762	0006420	1741	14943												
		STD	1300	0537	3502	2767	0005950	1803	14941												
		STD	1400	0490	3501	2772	0005474	1860	14938												
		STD	1500	0443	3500	2776	0005001	1913	14935												
003		OBS	T1525	0431	35000	2777			14935												

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	PORT INDIC	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NGDC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT	
311	061	RC	3158 N	06739 W		115	17	11	20	055	1966	A62	003	4846	47	10	3	4		X1	8	2	0003
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB											
								23	504		182	211					174	7					
MESSENGER TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta D$ DYN. M. $\times 10^3$		SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g \cdot dl/l$	TOTAL-P $\mu g \cdot dl/l$	NO ₃ -N $\mu g \cdot dl/l$	NO ₃ -N $\mu g \cdot dl/l$	SiO ₄ -Si $\mu g \cdot dl/l$	pH	S C C			
		STD	0000	2276	3643	2510		0028671		0000		15310											
055		OBS	0000	2276	36428	2510						15310											
		STD	0010	2277	3643	2510		0028737		0029		15312											
055		OBS	0010	2277	36430	25100																	
		STD	0020	2274	3643	2511		0028702		0057		15313											
		STD	0030	2273	3643	2511		0028714		0086		15314											
055		OBS	0030	2273	36427	2511						15314											
		STD	0050	2274	3643	2511		0028798		0144		15318											
055		OBS	0051	2274	36430	2511						15318											
		STD	0075	2098	3667	2579		0022455		0208		15279											
055		OBS	0077	2087	36683	2583						15277											
		STD	0100	2005	3668	2605		0020084		0261		15259											
055		OBS	0103	1995	36674	2607						15256											
		STD	0125	1925	3663	2622		0018531		0309		15240											
		STD	0150	1867	3659	2634		0017486		0354		15228											
055		OBS	T0153	1862	36582	2634						15227											
		STD	0200	1825	3656	2642		0016864		0440		15224											
055		OBS	0204	1823	36558	2642						15224											
		STD	0250	1828	3658	2643		0016988		0525		15233											
		STD	0300	1833	3660	2643		0017136		0610		15243											
055		OBS	0301	1833	36597	2643						15243											
055		OBS	T0399	1748	36448	2653						15233											
		STD	0400	1748	3645	2653		0016531		0778		15233											
		STD	0500	1690	3629	2654		0016643		0944		15230											
		STD	0600	1581	3613	2668		0015601		1105		15211											
055		OBS	0605	1574	36124	2669						15210											
		STD	0700	1409	3581	2681		0014471		1256		15170											
		STD	0800	1206	3551	2699		0012779		1392		15115											
055		OBS	T0816	1171	35469	2703						15105											
		STD	0900	0965	3525	2723		0010429		1508		15042											
055		OBS	0923	0917	35211	2728						15028											
		STD	1000	0783	3512	2741		0008515		1603		14989											
055		OBS	T1030	0737	35095	2746						14976											
		STD	1100	0684	3509	2753		0007348		1682		14967											
		STD	1200	0615	3508	2762		0006530		1751		14956											
		STD	1300	0556	3507	2768		0005874		1814		14949											
		STD	1400	0505	3506	2774		0005341		1870		14945											
064		OBS	1440	0488	35052	2775						14945											
		STD	1500	0474	3504	2776		0005162		1922		14949											
		STD	1750	0423	3502	2780		0004845		2047		14969											
064		OBS	T1930	0393	35000	2782						14987											
		STD	2000	0385	3499	2782		0004752		2167		14996											
064		OBS	2428	0340																			
		STD	2500	0333	3496	2784		0004610		2401		15059											
064		OBS	T2926	0294	34940	2786						15115											
		STD	3000	0287	3494	2787		0004394		2626		15125											
064		OBS	3430	0254	34928	2789						15186											
064		OBS	3934	0233	34905	2789						15265											
		STD	4000	0231	3491	2789		0004254		3059		15275											
064		OBS	T4695	0224	34933	2792						15396											

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDEX	MARSDEN SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLE	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER
CTRY CODE	ID. NO.						10"	1'	MO	OAT		HR./10	CRUISE NO.			STATION NUMBER	DR.	HGT	PER		SEA	TYPE	
311	061	RC	3200 N	06846 W		115	28	11	20	116	1966	A62	004	4975	15	26	2	2		X1	8	2	0004
		WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTH	SPECIAL OBSERVATIONS												
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB															
					26	508	179	211	169	7	14												
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta D$ OYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g - at/l$	TOTAL-P $\mu g - at/l$	NO ₂ -N $\mu g - at/l$	NO ₃ -N $\mu g - at/l$	SiO ₄ -Si $\mu g - at/l$	pH	S CODE					
		STD	0000	2323	3643	2497	0029923	0000	15322														
117		OBS	0000	2323	36434	2497			15322														
		STD	0010	2322	3644	2498	0029877	0030	15323														
117		OBS	0010	2322	36442	2498			15323														
		STD	0020	2322	3644	2498	0029911	0060	15325														
		STD	0030	2321	3644	2498	0029946	0090	15326														
117		OBS	0031	2321	36440	2498			15326														
		STD	0050	2322	3644	2498	0030048	0150	15330														
117		OBS	0053	2322	36438	2498			15330														
		STD	0075	2320	3644	2499	0030078	0225	15334														
117		OBS	0078	2320	36444	2499			15334														
		STD	0100	2122	3669	2574	0023035	0291	15290														
117		OBS	0105	2086	36722	2586			15282														
		STD	0125	2002	3667	2605	0020173	0345	15262														
		STD	0150	1920	3661	2622	0018642	0394	15243														
117		OBS	T0157	1902	36601	2626			15239														
		STD	0200	1841	3656	2638	0017250	0484	15228														
117		OBS	0207	1834	36553	2639			15227														
		STD	0250	1821	3655	2642	0017029	0569	15230														
		STD	0300	1802	3654	2647	0016782	0654	15233														
117		OBS	0308	1799	36542	2647			15234														
		STD	0400	1758	3646	2651	0016674	0821	15236														
117		OBS	T0408	1753	36450	2652			15236														
		STD	0500	1706	3634	2655	0016648	0988	15235														
		STD	0600	1596	3615	2666	0015809	1150	15216														
117		OBS	0612	1578	36120	2668			15212														
		STD	0700	1385	3580	2685	0014038	1299	15162														
		STD	0800	1175	3550	2704	0012251	1431	15104														
117		OBS	T0816	1142	35454	2707			15094														
		STD	0900	0958	3528	2726	0010089	1542	15040														
		STD	1000	0774	3512	2743	0006371	1635	14986														
117		OBS	1022	0739	35089	2745			14975														
		STD	1100	0693	3508	2751	0007584	1714	14970														
		STD	1200	0634	3506	2758	0006957	1787	14964														
		STD	1300	0576	3505	2764	0006335	1854	14957														
		STD	1400	0517	3503	2770	0005729	1914	14949														
		STD	1500	0458	3502	2776	0005125	1968	14942														
117		OBS	T1531	0440	35010	2777			14939														

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE * 1/10	LONGITUDE * 1/10	MARS SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER	
CTRY CODE	IO, NO.					10"	1"	MO DAY HR, 1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER		SEA	TYPE		AMT
31	061	RC	3158 N	07000 W	116 10	11 20	168	1966	A62	005	5121	47	34	6	3		X2	6	8	0005	
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	1000 mb	1000 mb	DRY BULB	WET BULB												
					02	S20	187	206	172	7	21										
MESSAGE TIME OF HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ σ OYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	SIO ₄ -Si μg - dl/l	pH	S C				
		STD	0000	2366	3654	2492	0030388	0000	15333												
168		OBS	0000	2366	36536	2492			15333												
168		OBS	0009	2367	36539	2492			15335												
		STD	0010	2367	3654	2492	0030428	0030	15335												
		STD	0020	2367	3654	2493	0030454	0061	15337												
		STD	0030	2366	3654	2493	0030473	0091	15338												
168		OBS	0030	2366	36541	2493			15338												
		STD	0050	2367	3654	2492	0030589	0152	15342												
168		OBS	0051	2367	36535	2492			15342												
		STD	0075	2363	3653	2493	0030628	0229	15345												
168		OBS	0077	2363	36534	2493			15345												
		STD	0100	2140	3668	2568	0023582	0297	15295												
168		OBS	0103	2117	36694	2575			15289												
		STD	0125	2015	3666	2601	0020575	0352	15265												
		STD	0150	1929	3663	2621	0018721	0401	15246												
168		OBS	T0154	1918	36625	2623			15243												
		STD	0200	1856	3657	2635	0017541	0492	15233												
168		OBS	0206	1849	36559	2636			15231												
		STD	0250	1821	3653	2641	0017159	0578	15230												
		STD	0300	1786	3649	2646	0016783	0663	15228												
168		OBS	0309	1780	36486	2648			15228												
168		OBS	T0399	1712	36378	2656			15221												
		STD	0400	1711	3638	2656	0016176	0828	15221												
		STD	0500	1603	3615	2664	0015684	0987	15202												
		STD	0600	1462	3592	2678	0014548	1138	15171												
168		OBS	0619	1432	35872	2681			15164												
		STD	0700	1268	3563	2696	0012879	1276	15121												
		STD	0800	1073	3538	2714	0011205	1396	15066												
168		OBS	T0826	1023	35323	2718			15052												
		STD	0900	0883	3518	2731	0009534	1500	15011												
168		OBS	0928	0833	35138	2735			14996												
		STD	1000	0707	3507	2748	0007692	1586	14959												
168		OBS	T1029	0663	35053	2753			14946												
		STD	1100	0620	3504	2758	0006759	1658	14941												
		STD	1200	0565	3503	2764	0006171	1723	14935												
		STD	1300	0518	3502	2769	0005701	1782	14933												
		STD	1400	0477	3501	2773	0005316	1837	14933												
177		OBS	T1476	0451	35008	2776			14935												
		STD	1500	0448	3501	2776	0005036	1889	14938												
		STD	1750	0415	3501	2780	0004821	2012	14966												
		STD	2000	0386	3501	2783	0004636	2130	14996												
177		OBS	T2020	0384	35008	2783			14999												
		STD	2500	0337	3497	2785	0004597	2361	15060												
177		OBS	2532	0334	35000	27870															
		STD	3000	0295	3494	2786	0004515	2589	15128												
177		OBS	T3066	0290	34934	2786			15138												
177		OBS	3602	0250	34920	2789			15214												
		STD	4000	0237	3490	2788	0004403	3035	15278												
177		OBS	4140	0234	34898	2788			15301												
177		OBS	T4681	0230	34906	2789			15396												

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDIC	MARS DEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER					
CTRY CODE	ID. NO.					10"	1"	MO	DAY		HR.1/10	CRUISE NO.			STATION NUMBER	DIR	HGT	PER		SEA	TYPE		AMT				
311	061	RC	3215 N	07030 W		116	20	11	20	214	1966	A62	006	5303	16	01	6	4		X1	8	2	0006				
				WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS														
				COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB																	
							03	S16	195	200	150	7	13														
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta$ D DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	Si O ₄ -Si $\mu\text{g} - \text{at/l}$	pH										
		STD	0000	2366	3657	2495	0030165		0000	15334																	
	214	OBS	0000	2366	36567	2495				15334																	
		STD	0010	2365	3657	2495	0030158		0030	15335																	
	214	OBS	0011	2365	36570	2495				15335																	
		STD	0020	2366	3657	2495	0030221		0060	15337																	
		STD	0030	2367	3657	2495	0030289		0091	15339																	
	214	OBS	0031	2367	36566	2494				15339																	
		STD	0050	2366	3657	2495	0030383		0151	15342																	
	214	OBS	0052	2366	36565	2495				15342																	
		STD	0075	2365	3657	2495	0030422		0227	15346																	
		OBS	0079	2365	36578	2496				15347																	
		STD	0100	2072	3666	2585	0021946		0293	15277																	
	214	OBS	0105	2020	36672	2600				15264																	
		STD	0125	1956	3662	2613	0019375		0344	15249																	
		STD	0150	1895	3658	2626	0018243		0391	15235																	
	214	OBS	T0158	1880	36570	2629				15232																	
		STD	0200	1841	3655	2636	0017293		0480	15228																	
	214	OBS	0211	1832	36550	2640				15227																	
		STD	0250	1818	3654	2642	0017015		0566	15230																	
		STD	0300	1794	3651	2646	0016829		0651	15230																	
	214	OBS	0317	1784	36496	2647				15230																	
		STD	0400	1732	3637	2651	0016710		0818	15227																	
		STD	0500	1640	3619	2659	0016205		0983	15214																	
		STD	0600	1515	3599	2672	0015162		1140	15189																	
	214	OBS	0636	1462	35911	2677				15177																	
		STD	0700	1342	3572	2688	0013725		1284	15147																	
		STD	0800	1155	3547	2706	0012085		1413	15096																	
	214	OBS	T0851	1059	35358	2715				15070																	
		STD	0900	0951	3527	2726	0010039		1524	15037																	
		STD	1000	0761	3512	2745	0008165		1615	14981																	
	214	OBS	1058	0669	35054	2752				14953																	
		STD	1100	0650	3505	2755	0007120		1691	14953																	
		STD	1200	0606	3505	2760	0006647		1760	14952																	
		STD	1300	0562	3504	2765	0006176		1824	14951																	
		STD	1400	0517	3503	2770	0005704		1884	14950																	
		STD	1500	0473	3503	2775	0005234		1938	14948																	
	214	OBS	T1572	0441	35024	2778				14947																	

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE * 1/10	LONGITUDE * 1/10	MARS SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL.	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOQC STATION NUMBER	
CITY CODE	IO. NO.					10"	1"	MO	DAY		HR.1/10	CRUISE NO.			STATION NUMBER	DIR	HGT	PER		SEA	TYPE		AMT
31	1061	RC	3229 N	07055 W	116	20	11	21	006	1966	A62	007	5139	15	01	6	4		X1	8	2		0007
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	DRY BULB	WET BULB										
									03	S21	210	195	150	7	14								
MESSAGE TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-20°		Σ Δ O OYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - 01/1	TOTAL-P μg - 01/1	NO ₂ -N μg - 01/1	NO ₃ -N μg - 01/1	SiO ₄ -Si μg - 01/1	pH						
		STD	0000	2369	3650	2489	0030746		0000	15334													
006		OBS	0000	2369	36498	2489				15334													
		STD	0010	2369	3650	2489	0030772		0031	15335													
006		OBS	0010	2369	36500	2489				15335													
		STD	0020	2369	3650	2489	0030791		0062	15337													
006		OBS	0029	2368	36501	2489				15338													
		STD	0030	2368	3650	2489	0030824		0092	15338													
006		OBS	0048	2368	36490	2488				15341													
		STD	0050	2368	3649	2488	0030977		0154	15342													
006		OBS	0072	2368	36495	2489				15345													
		STD	0075	2338	3654	2501	0029876		0230	15339													
006		OBS	0095	2163	36764	2568				15301													
		STD	0100	2134	3675	2575	0022918		0296	15294													
		STD	0125	2012	3668	2603	0020355		0350	15265													
006		OBS	T0143	1945	36642	2618				15249													
		STD	0150	1930	3663	2621	0018746		0399	15246													
006		OBS	0191	1857	36567	2635				15231													
		STD	0200	1851	3656	2636	0017492		0490	15231													
		STD	0250	1821	3654	2642	0017087		0576	15230													
006		OBS	0287	1802	36518	2645				15231													
		STD	0300	1799	3651	2645	0016927		0661	15232													
006		OBS	T0383	1768	36480	2650				15236													
		STD	0400	1762	3647	2651	0016697		0829	15237													
		STD	0500	1697	3634	2657	0016437		0995	15233													
006		OBS	0578	1611	36189	2665				15218													
		STD	0600	1577	3612	2668	0015598		1155	15210													
		STD	0700	1405	3583	2684	0014242		1304	15169													
006		OBS	T0775	1260	35617	2697				15130													
		STD	0800	1193	3554	2704	0012309		1437	15110													
		STD	0900	0954	3526	2725	0010164		1550	15038													
006		OBS	0972	0809	35102	2736				14994													
		STD	1000	0788	3510	2739	0008767		1644	14991													
		STD	1100	0715	3508	2748	0007907		1728	14979													
		STD	1200	0641	3506	2757	0007068		1802	14966													
		STD	1300	0567	3504	2765	0006245		1869	14953													
		STD	1400	0493	3502	2772	0005453		1927	14940													
006		OBS	T1468	0443	35009	2777				14930													

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE ° ' 10	LONGITUDE ° ' 10	OBS. NO.	MARSDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NDDC STATION NUMBER
CTRY CODE	ID. NO.					10°	1°	MO	DAY		HR. 10	CRUISE NO.			STATION NUMBER	DIR	HGH		PER	SEA	
31	061	RC	3250 N	07130 W		116	21	11	21	040	1966	A62 008	5120	49	01	6	4		X1	8 2	0008
						WATER		WIND		BARO- METER (mb)		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB										
								03	S14	225	181	126	7	21							
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t		Σ Δ DYN. M. x 10 ³	SOUND VELOCITY	D ₂ m/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₃ -N μg - at/l	Si D ₄ -Si μg - at/l	pH	S C C			
		STD	0000	2310	3638	2497	0029974		0000	15318											
040		OBS	0000	2310	36377	2497				15318											
		STD	0010	2309	3637	2497	0030037		0030	15319											
040		OBS	0010	2309	36370	2497				15319											
		STD	0020	2310	3638	2497	0030057		0060	15321											
040		OBS	0028	2310	36379	2497				15323											
		STD	0030	2310	3638	2497	0030081		0090	15323											
040		OBS	0047	2311	36377	2496				15326											
		STD	0050	2312	3638	2496	0030212		0150	15327											
040		OBS	0070	2316	36387	2496				15331											
		STD	0075	2331	3642	2494	0030545		0426	15336											
040		OBS	0093	2336	36511	2499				15341											
		STD	0100	2265	3654	2522	0027955		0499	15325											
		STD	0125	2061	3662	2585	0022045		0362	15277											
040		OBS	T0140	1977	36642	2609				15257											
		STD	0150	1957	3663	2614	0019419		0414	15253											
040		OBS	0184	1898	36596	2626				15242											
		STD	0200	1880	3659	2630	0017981		0507	15240											
		STD	0250	1836	3656	2639	0017304		0596	15235											
040		OBS	0272	1822	36550	2642				15234											
		STD	0300	1815	3655	2644	0017044		0681	15237											
040		OBS	T0361	1797	36532	2647				15242											
		STD	0400	1780	3653	2651	0016694		0850	15243											
		STD	0500	1737	3646	2656	0016509		1016	15246											
040		OBS	0546	1717	36386	2655				15247											
		STD	0600	1649	3624	2660	0016368		1180	15234											
		STD	0700	1478	3594	2676	0015011		1337	15193											
040		OBS	T0736	1403	35823	2683				15174											
		STD	0800	1246	3560	2698	0012915		1477	15129											
040		OBS	0833	1164	35488	2705				15105											
		STD	0900	0992	3527	2720	0010760		1595	15052											
040		OBS	T0931	0920	35182	2725				15030											
		STD	1000	0841	3515	2735	0009239		1695	15011											
		STD	1100	0737	3512	2748	0007950		1781	14988											
		STD	1200	0645	3508	2758	0006978		1856	14968											
		STD	1300	0567	3505	2765	0006179		1922	14953											
		STD	1400	0502	3502	2771	0005591		1981	14943											
		STD	1500	0449	3500	2775	0005108		2034	14938											
049		OBS	T1527	0437	34991	2776				14937											
		STD	1750	0411	3499	2779	0004897		2159	14964											
		STD	2000	0385	3499	2781	0004760		2280	14996											
049		OBS	T2019	0383																	
		STD	2500	0340	3499	2786	0004526		2512	15062											
049		OBS	2510	0339																	
		STD	3000	0298	3498	2790	0004252		2731	15130											
049		OBS	T3004	0298	34984	2790				15131											
049		OBS	3495	0259	34932	2789				15199											
049		OBS	3988	0241	34915	2789				15278											
		STD	4000	0241	3492	2790	0004329		3160	15280											
049		OBS	T4925	0233	34994	2796				15442											

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE • 1/10	LONGITUDE • 1/10	OBS. ZONE	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER		
CITY CODE	ID. NO.					10"	1"	MO	DAY	HR, 1/10		CRUISE NO.	STATION NUMBER			OBSERVATIONS					DIR.	HGT PER SEA		TYPE	AMT
																WATER	WIND	BARO- METER (mb)	AIR TEMP. °C						
						COLOR CODE	TRANS. (mm)	DIR.	SPEED OR FORCE			DRY BULB	WET BULB												
311061									36	S14	229		172	116	7	14									
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ D DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S C C								
		STD	0000	2321	3631	2489	0030762	0000	15320																
088		OBS	0000	2321	36310	2489			15320																
		STD	0010	2322	3631	2488	0030851	0031	15322																
088		OBS	0010	2322	36307	2488			15322																
		STD	0020	2322	3631	2488	0030869	0062	15323																
		STD	0030	2322	3631	2488	0030901	0093	15325																
088		OBS	0030	2322	36311	2488			15325																
		STD	0050	2320	3631	2489	0030935	0154	15328																
088		OBS	0051	2320	36309	2489			15328																
		STD	0075	2310	3631	2492	0030754	0231	15329																
088		OBS	0077	2309	36317	2493			15330																
		STD	0100	2300	3642	2503	0029783	0307	15332																
088		OBS	0101	2298	36425	2504			15332																
		STD	0125	2118	3656	2565	0023963	0374	15292																
		STD	0150	1982	3663	2607	0020048	0429	15260																
088		OBS	0153	1969	36635	2611			15257																
		STD	0200	1874	3658	2631	0017907	0524	15236																
088		OBS	0204	1868	36579	2633			15237																
		STD	0250	1838	3656	2639	0017352	0612	15235																
		STD	0300	1815	3655	2644	0017044	0698	15237																
088		OBS	0305	1813	36547	2644			15237																
		STD	0400	1796	3653	2647	0017075	0869	15248																
088		OBS	T0407	1794	36523	2647			15248																
		STD	0500	1778	3648	2648	0017343	1041	15258																
		STD	0600	1707	3635	2655	0016925	1412	15252																
088		OBS	0612	1695	36331	2656			15250																
		STD	0700	1574	3609	2666	0016053	1377	15225																
		STD	0800	1399	3581	2683	0014538	1530	15183																
088		OBS	T0817	1365	35758	2686			15174																
		STD	0900	1141	3546	2708	0012128	1664	15108																
		STD	1000	0912	3518	2726	0010218	1775	15038																
088		OBS	1019	0874	35137	2729			15027																
		STD	1100	0805	3512	2738	0009074	1872	15014																
		STD	1200	0719	3509	2748	0008062	1957	14997																
		STD	1300	0634	3506	2756	0007087	2033	14980																
		STD	1400	0548	3503	2767	0006148	2099	14962																
		STD	1500	0463	3501	2774	0005245	2156	14944																
088		OBS	T1502	0461	35006	2775			14943																

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	MARKS DEN SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					MO	DAY	HR. 1/10	CRUISE NO.		STATION NUMBER	DIR.			HGT	PER	SEA	TYPE		AMT		
311061		RC	3331 N	07234 W	116 32	11 21 118	1966	A62	010			4901	16	01	5	4		X1	8	5		0010
		WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTH	SPECIAL OBSERVATIONS											
		COLOR CODE	TRANS. MM	DIR.	SPEED OR FORCE		DRY BULB	WET BULB														
					02	S20	245	172	125	7	14											
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g - \text{at/l}$	TOTAL-P $\mu g - \text{at/l}$	NO ₂ -N $\mu g - \text{at/l}$	NO ₃ -N $\mu g - \text{at/l}$	SIO ₄ -Si $\mu g - \text{at/l}$	pH	SIC					
		STD	0000	2309	3633	2494	0030257	0000	15317													
118		OBS	0000	2309	36334	2494			15317													
118		OBS	0009	2309	36331	2494			15319													
		STD	0010	2309	3633	2494	0030318	0030	15319													
		STD	0020	2309	3633	2494	0030357	0061	15320													
118		OBS	0027	2309	36331	2494			15322													
		STD	0030	2309	3633	2494	0030390	0091	15322													
118		OBS	0046	2309	36338	2494			15325													
		STD	0050	2309	3634	2494	0030424	0152	15326													
118		OBS	0070	2310	36345	2494			15329													
		STD	0075	2297	3644	2505	0029457	0227	15328													
118		OBS	0093	2236	36693	2542			15318													
		STD	0100	2184	3668	2556	0024753	0294	15306													
		STD	0125	2027	3664	2596	0021026	0552	15268													
118		OBS	T0140	1954	36624	2614			15251													
		STD	0150	1922	3661	2621	0018692	0401	15243													
118		OBS	0191	1824	36579	2644			15222													
		STD	0200	1824	3658	2644	0016695	0490	15224													
		STD	0250	1824	3658	2644	0016870	0574	15232													
118		OBS	0290	1822	36581	2644			15238													
		STD	0300	1822	3658	2644	0016996	0658	15239													
118		OBS	0392	1812	36573	2646			15251													
		STD	0400	1810	3657	2647	0017128	0829	15252													
		STD	0500	1780	3650	2649	0017244	1001	15259													
		STD	0600	1750	3643	2651	0017358	1174	15266													
118		OBS	0602	1749	36429	2651			15266													
		STD	0700	1593	3611	2663	0016338	1342	15231													
		STD	0800	1403	3580	2682	0014696	1497	15184													
118		OBS	T0818	1366	35745	2685			15174													
		STD	0900	1139	3547	2709	0012017	1631	15107													
		STD	1000	0904	3521	2730	0009863	1740	15036													
118		OBS	1039	0825	35121	2735			15011													
		STD	1100	0783	3511	2740	0008771	1834	15006													
		STD	1200	0715	3509	2749	0007986	1917	14996													
		STD	1300	0647	3507	2757	0007225	1993	14985													
		STD	1400	0579	3505	2764	0006480	2062	14975													
		STD	1500	0511	3503	2771	0005748	2123	14964													
118		OBS	T1595	0446	35012	2777			14953													

TABLE V.—Continued

REFERENCE CITY CODE	SHIP NO.	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH METER	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NDDC STATION NUMBER
						10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DR.	HGT	PER	SEA		TYPE	AMT	
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mba)		DRY BULB	WET BULB			VIS CODE	NO. OBS. DEPTH	SPECIAL OBSERVATIONS					
311061		RC	3347 N	07300 W	116	33		11	21	147	1966	A62	011	4572	43	04	5	3		X1	8	3	0011
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS CODE	NO. OBS. DEPTH	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mba)	DRY BULB	WET BULB	VIS CODE										
								04	517	253	171	133	7	20									
MESSAGE TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	S Δ D OYN. M. x 10 ³	SOUND VELOCITY	D ₂ ml/l	PO ₄ -P μg - ml/l	TOTAL-P μg - ml/l	NO ₂ -N μg - ml/l	NO ₃ -N μg - ml/l	SiO ₄ -Si μg - ml/l	pH	S C						
		STD	0000	2296	3635	2499	0029783	0000	15314														
147		OBS	0000	2296	36350	2499			15314														
		STD	0010	2296	3635	2499	0029822	0030	15316														
147		OBS	0011	2296	36349	2499			15316														
		STD	0020	2296	3635	2499	0029858	0060	15317														
		STD	0030	2295	3635	2499	0029891	0090	15319														
147		OBS	0033	2295	36348	2499			15319														
		STD	0050	2295	3635	2499	0029952	0149	15322														
147		OBS	0055	2295	36355	2499			15323														
		STD	0075	2294	3638	2501	0029822	0224	15326														
147		OBS	0082	2293	36384	2502			15327														
		STD	0100	2096	3657	2572	0023220	0490	15282														
147		OBS	0109	2021	36637	2597			15264														
		STD	0125	1979	3663	2608	0019866	0344	15255														
		STD	0150	1924	3663	2622	0018633	0392	15244														
147		OBS	T0163	1900	36621	2628			15239														
		STD	0200	1854	3658	2636	0017420	0482	15232														
147		OBS	0218	1836	36560	2639			15230														
		STD	0250	1826	3656	2642	0017063	0569	15232														
		STD	0300	1809	3655	2645	0016900	0654	15235														
147		OBS	0328	1800	36537	2647			15237														
		STD	0400	1780	3650	2649	0016909	0823	15243														
147		OBS	T0442	1759	36459	2651			15243														
		STD	0500	1723	3638	2653	0016758	0991	15241														
		STD	0600	1625	3620	2663	0016107	1155	15226														
147		OBS	0660	1545	36063	2671			15209														
		STD	0700	1463	3592	2678	0014830	1310	15188														
		STD	0800	1264	3560	2695	0013274	1451	15135														
147		OBS	T0893	1083	35371	2711			15085														
		STD	0900	1070	3536	2713	0011519	1574	15082														
147		OBS	0999	0883	35191	2731			15028														
		STD	1000	0881	3519	2732	0009617	1680	15027														
		STD	1100	0691	3506	2750	0007675	1767	14969														
147		OBS	T1112	0671	35047	2752			14963														
		STD	1200	0617	3505	2759	0006801	1839	14956														
		STD	1300	0562	3505	2766	0006129	1904	14951														
		STD	1400	0515	3505	2772	0005577	1962	14949														
		STD	1500	0474	3505	2776	0005111	2016	14949														
155		OBS	T1575	0448	35047	2779			14951														
		STD	1750	0424	3503	2781	0004786	2139	14970														
		STD	2000	0393	3501	2782	0004721	2258	14999														
155		OBS	T2122	0379	35008	2784			15014														
		STD	2500	0345	3501	2787	0004462	2488	15064														
155		OBS	2674	0330	35003	2788			15088														
		STD	3000	0303	3498	2789	0004352	2708	15132														
155		OBS	3221	0286	34966	2789			15163														
155		OBS	3766	0245	34916	2789			15240														
		STD	4000	0235	3490	2788	0004370	3144	15277														
155		OBS	T4324	0230	34898	2789			15332														

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE • 1/10	LONGITUDE • 1/10	DRIFT NODE	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NDDC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER		SEA	TYPE	
31	061	RC	3406 N	07330 W		116	43	11	21	199	1966	A02 012	4224	15	05	5	3		X1	6	6	0012
						WATER		WIND		BARO- METER (mbs)	AIR TEMP. °C		VIS CODE	NO. OBS DEPTHS	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE		DRY BULB	WET BULB										
								05	516	240	182	134	7	14								
MESSNGR TIME HR 1/10	CASST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t ?	Σ Δ D DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S °C					
		STO	0000	2260	3639	2512	0028493	0000	15306													
	199	OBS	0000	2260	36392	2512			15306													
		STO	0010	2255	3638	2513	0028454	0028	15306													
199		OBS	0010	2255	36384	2513			15306													
		STO	0020	2253	3639	2514	0028417	0057	15307													
199		OBS	0029	2252	36389	2514			15308													
		STO	0030	2252	3639	2514	0028417	0085	15309													
199		OBS	0048	2254	36389	2514			15312													
		STO	0050	2254	3639	2514	0028542	0142	15312													
199		OBS	0073	2252	36390	2514			15316													
		STO	0075	2232	3642	2522	0027623	0213	15311													
199		OBS	0096	2056	36640	2587			15272													
		STO	0100	2044	3664	2591	0021369	0274	15269													
		STO	0125	1966	3662	2610	0019625	0325	15252													
199		OBS	T0148	1912	36601	2623			15240													
		STO	0150	1909	3660	2624	0016443	0373	15240													
199		OBS	0193	1855	36579	2636			15231													
		STO	0200	1855	3658	2636	0017423	0463	15232													
		STO	0250	1850	3661	2639	0017296	0550	15239													
199		OBS	0288	1839	36627	2644			15243													
		STO	0300	1833	3661	2644	0017045	0635	15243													
199		OBS	T0386	1786	36518	2649			15242													
		STO	0400	1778	3650	2649	0016844	0805	15242													
		STO	0500	1722	3639	2655	0016655	0972	15241													
199		OBS	0582	1676	36300	2659			15239													
		STO	0600	1645	3624	2661	0016276	1137	15232													
		STO	0700	1462	3592	2678	0014806	1292	15188													
199		OBS	T0779	1305	35684	2693			15147													
		STO	0800	1250	3562	2699	0012850	1431	15131													
		STO	0900	1013	3533	2721	0010699	1548	15061													
199		OBS	0987	0839	35138	2734			15008													
		STO	1000	0829	3513	2735	0009156	1648	15007													
		STO	1100	0752	3510	2745	0008313	1735	14993													
		STO	1200	0674	3507	2753	0007487	1814	14979													
		STO	1300	0597	3504	2761	0006696	1885	14965													
		STO	1400	0519	3501	2768	0005924	1948	14950													
		STO	1500	0442	3498	2774	0005187	2004	14935													
199		OBS	T1509	0435	34973	2775			14933													

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE °	LONGITUDE °	SHIP INDEX	MARSDEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER			
CTRY CODE	ID. NO.						1/10	1/10	MO		DAY	HR. 1/10			CRUISE NO.	STATION NUMBER	DIR.		HGT	PER		SEA	TYPE	AMT
10°	1°						10°	1°	10°		1°	10°			1°	10°	1°		10°	1°		10°	1°	10°
311	1061	RC	3423 N	07400 W		116	44	11	21	228	1966	A62	013	3658	16	06	5	3		X1	8	7		0013
		WATER		WIND		AIR TEMP. °C		BARO- METER (mba)		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS										
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE																			
				10	S13	247		178		134		7		13										
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta D$ OYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S C						
		STD	0000	2252	3641	2516		0028138	0000	15304														
228		OBS	0000	2252	36411	2516				15304														
		STD	0010	2251	3639	2515		0028273	0028	15305														
228		OBS	0010	2251	36394	2515				15305														
		STD	0020	2252	3640	2515		0028283	0056	15307														
		STD	0030	2252	3640	2515		0028335	0085	15309														
228		OBS	0031	2252	36405	2516				15309														
		STD	0050	2252	3640	2515		0028406	0142	15312														
228		OBS	0052	2252	36401	2515				15312														
		STD	0075	2252	3640	2515		0028511	0213	15316														
228		OBS	0079	2252	36400	2515				15317														
		STD	0100	2098	3661	2574		0022984	0477	15283														
228		OBS	0105	2068	36643	2585				15276														
		STD	0125	1991	3661	2603		0020327	0331	15258														
		STD	0150	1916	3659	2621		0018688	0380	15241														
228		OBS	T0157	1900	36581	2625				15238														
		STD	0200	1850	3656	2636		0017468	0470	15231														
228		OBS	0211	1840	36557	2638				15230														
		STD	0250	1830	3655	2640		0017231	0557	15233														
		STD	0300	1812	3653	2643		0017116	0643	15236														
228		OBS	0318	1804	36523	2645				15236														
		STD	0400	1782	3647	2646		0017173	0814	15243														
		STD	0500	1710	3635	2654		0016669	0984	15237														
		STD	0600	1588	3616	2668		0015556	1145	15214														
228		OBS	0644	1519	36049	2676				15198														
		STD	0700	1388	3582	2686		0013457	1292	15163														
		STD	0800	1165	3547	2704		0012276	1423	15100														
228		OBS	T0864	1030	35305	2716				15061														
		STD	0900	0949	3525	2725		0010150	1536	15036														
		STD	1000	0750	3511	2745		0008065	1627	14976														
228		OBS	1075	0628	35029	2756				14940														
		STD	1100	0617	3503	2757		0006794	1701	14940														
		STD	1200	0575	3503	2763		0006296	1766	14939														
		STD	1300	0532	3503	2769		0005798	1827	14939														
		STD	1400	0490	3504	2774		0005300	1882	14936														
		STD	1500	0447	3504	2779		0004803	1933	14938														
228		OBS	T1594	0407	35040	2783				14937														

TABLE V.—Continued

MESSNGR TIME OF HR 1/10	CAS- T NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY-210?	$\Sigma \Delta O$ OTN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g - dl/l$	TOTAL-P $\mu g - dl/l$	NO ₂ -N $\mu g - dl/l$	NO ₃ -N $\mu g - dl/l$	Si O ₄ -S $\mu g - dl/l$	pH	S.C.
		STD	0000	2282	3639	2506	0029117	0000	15311								
017		OBS	0000	2282	36389	2506			15311								
		STD	0010	2282	3639	2506	0029138	0029	15313								
		STD	0020	2281	3639	2506	0029163	0058	15314								
017		OBS	0022	2281	36391	2506			15314								
		STD	0030	2281	3639	2506	0029171	0087	15316								
017		OBS	0044	2280	36399	2507			15318								
		STD	0050	2280	3641	2508	0029111	0146	15319								
017		OBS	0071	2278	36439	2511			15322								
		STD	0075	2238	3653	2529	0027193	0216	15314								
017		OBS	0098	2039	36675	2595			15268								
		STD	0100	2034	3665	2595	0021040	0276	15266								
017		OBS	0103	18210	36623	26480											
		STD	0125	1970	3661	2609	0019798	0327	15253								
		STD	0150	1916	3659	2621	0018688	0376	15241								
		STD	0200	1834	3656	2640	0017081	0465	15226								
017		OBS	T0209	1823	36554	2642			15224								
		STD	0250	1811	3655	2645	0016774	0550	15228								
		STD	0300	1791	3653	2648	0016613	0633	15230								
017		OBS	0320	1782	36514	2649			15230								
		STD	0400	1741	3644	2654	0016416	0798	15231								
017		OBS	0432	1714	36395	2657			15227								
		STD	0500	1612	3619	2665	0015569	0958	15205								
		STD	0600	1444	3590	2681	0014278	1107	15166								
017		OBS	T0658	1338	35736	2690			15138								
		STD	0700	1239	3558	2698	0012668	1242	15110								
		STD	0800	1021	3527	2715	0011064	1361	15046								
017		OBS	0886	0853	35097	2729			14996								
		STD	0900	0813	3509	2734	0009041	1461	14984								
		STD	1000	0593	3505	2762	0006161	1537	14914								
		STD	1100	0495	3502	2772	0005157	1594	14890								
017		OBS	T1114	0491													
025		OBS	1120	0490	35016	2772			14891								
		STD	1200	0471	3500	2773	0005094	1645	14897								
		STD	1300	0449	3499	2775	0004979	1696	14904								
		STD	1400	0430	3498	2776	0004898	1745	14913								
		STD	1500	0413	3497	2777	0004840	1794	14923								
025		OBS	T1681	0389	34963	2779			14943								
		STD	1750	0386	3496	2779	0004750	1913	14953								
		STD	2000	0373	3497	2781	0004765	2032	14990								
025		OBS	T2152	0363	34966	2782			15012								
		STD	2500	0340	3495	2783	0004785	2271	15062								
025		OBS	2732	0315	34949	2785			15091								
		STD	3000	0276	3495	2789	0004185	2495	15121								
025		OBS	T3081	0262	34945	2790			15129								

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	CHART NO.	MARDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOCC STATION NUMBER	
CTRY CODE	IO. NO.					10"	1"	MO	DAY		HR. 1/10	CRUISE NO.			STATION NUMBER	DIR.	HGT	PER		SEA	TYPE		AMT
31	061	RC	3444 N	07505 W		116	45	11	22	072	1966	A62 015	2377	11	07	6	4		X6	8	8	0015	
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
		COLOR CODE	TRANS. UNIT	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	DRY BULB	WET BULB														
					04	520	261	166	137	7	13												
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-10 ³	Σ Δ σ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - ml/l	TOTAL-P μg - ml/l	NO ₂ -N μg - ml/l	NO ₃ -N μg - ml/l	Si O ₂ -Si μg - ml/l	pH	S C						
		STD	0000	2535	3622	2418	0037511	0000	15370														
072		OBS	0000	2535	36221	2418			15370														
		STD	0010	2537	3623	2418	0037540	0038	15372														
072		OBS	0011	2537	36234	2418			15373														
		STD	0020	2537	3622	2417	0037647	0075	15374														
		STD	0030	2536	3622	2417	0037673	0113	15375														
072		OBS	0033	2536	36214	2417			15376														
		STD	0050	2534	3621	2417	0037749	0188	15378														
072		OBS	0055	2533	36210	2417			15379														
		STD	0075	2533	3621	2418	0037831	0483	15382														
072		OBS	0083	2533	36212	2418			15383														
		STD	0100	2483	3643	2449	0034898	0374	15377														
072		OBS	0110	2438	36520	2470			15369														
		STD	0125	2283	3651	2515	0028764	0453	15333														
		STD	0150	2075	3650	2572	0023367	0518	15284														
072		OBS	T0165	1982	36494	2597			15261														
		STD	0200	1888	3649	2621	0018900	0624	15241														
072		OBS	0222	1839	36485	2633			15230														
		STD	0250	1796	3648	2643	0016922	0714	15222														
		STD	0300	1735	3646	2657	0015796	0795	15213														
072		OBS	0336	1703	3649P	2667P																	
		STD	0400	1686	3632	2658	0016007	0954	15213														
072		OBS	0451	1673	36204	2652			15216														
		STD	0500	1607	3600	2652	0016630	1119	15201														
		STD	0600	1376	3561	2673	0014951	1277	15140														
072		OBS	0680	06680	35335	2775Q																	
		STD	0700	1013	3527	2716	0010707	1406	15047														
		STD	0800	0520	3497	2765	0005505	1487	14650														
072		OBS	T0810	0463	34943	2769			14628														
072		OBS	11410	0435	34952	2773																	

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